

Date: 07<sup>th</sup> March 2024.**TO WHOMSOEVER IT MAY CONCERN**

We hereby certify that,

**Sanmedico SRL**  
**Str. Corobceanu 7A, Apt.9,**  
**MD-2012, CITY CHISINAU**  
**Republic of Moldova,**  
**Tel:-00-373-231 31515 / 00-373-222 60595**  
**Fax:-00-373-22 62 30 32**  
**E-mail: sanmedico.office@gmail.com**

have been appointed by us as our **Authorized Distributor** for selling our Products in  
**MOLDOVA**

*This certificate is valid upto 06<sup>th</sup> March 2026.*

This Authorization Letter shall stand effective from the date of signing and can be terminated by either party with two months advance notice.

For **HIMEDIA LABORATORIES PVT. LTD.**

  
**V.M.WARKE.**

**DIRECTOR – SALES & MARKETING**



**DECLARATION OF CONFORMITY**  
**MICROBIOLOGY PRODUCTS**

- 1) Manufacturer (Name, department): **HiMedia Laboratories Pvt. Ltd.**  
**Address: Plot No. C-40, Road No. 21/Y, MIDC, Wagle Industrial Area, Thane(West)-400604, Maharashtra, India**  
and
- 2) European authorized representative: **CEpartner4U BV,**  
**Address: ESDOORNLAAN 13, 3951DB MAARN, THE NETHERLANDS;**  
(on product labels printed as:  
CEpartner4U , ESDOORNLAAN 13, 3951DB MAARN, THE NETHERLANDS. [www.cepartner4u.eu](http://www.cepartner4u.eu))

- 3) Product(s) (groupnames /):

| Group | Group name                                                                                                                                                                                                                                                                                                                                                                    | NL registration no. | No. |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|
| DCM&S | Dehydrated Culture Media & Supplements                                                                                                                                                                                                                                                                                                                                        | NL-CA002-2013-26442 | 1   |
| RPM   | Ready Prepared Media<br>Subgroups: Ready Prepared Plates, Ready Prepared Liquid & Solid Medium, Ready Prepared Slants, Ready Prepared Dual Media, HiDip Slides, HiSafe Blood Culturing System, Transport Medium w/ swabs, Viral Transport Medium w/ swabs, L.J. Medium Slants & Kits, Biochemical Kits for Mycobacteria, UTI Diagnostic Kits, Biochemical Identification Kits | NL-CA002-2013-26448 | 2   |
| ESK   | Epidemiological Screening Kit:<br>Subgroups: Hi Aureus Confirmation Kits                                                                                                                                                                                                                                                                                                      | NL-CA002-2012-24117 | 3   |
| ASS   | Antimicrobial Susceptibility Systems<br>Subgroups: Sensitivity Discs-Single & Multi Discs<br>MIC Strips: HiComb Strips, HiComb™ MIC Strip, Modified & Ezy MIC Strips, HiMIC™ Plate Kit                                                                                                                                                                                        | NL-CA002-2013-26444 | 4   |
| BDA   | Bacteriological Differentiation Aids<br>Subgroups: Readymade Stains, Indicators & Reagents in liquid, Differentiation Discs & Strips, HiDtest Rapid Identification Discs                                                                                                                                                                                                      | NL-CA002-2013-26445 | 5   |

*type and model numbers: see appendix*

- 4) The product(s) described above is in conformity with:

| Title                                         | Document No. |
|-----------------------------------------------|--------------|
| In vitro Diagnostic Medical Devices Directive | 98/79/EC     |

- 5) Additional information (Conformity procedure, Notified Body, CE certificate, Registration nr., etc.):  
Conformity assessment procedure for CE marking: In vitro Diagnostic Medical Device Directive, Annex III

Mumbai, India; 2022-03-01

(Place & date of issue (yyyy-mm-dd))

Dr. G.M. Warke, Managing Director

(name; function and signature of manufacturer)

## Appendix

Date: 2022-03-01

### List of devices:

| Product group                   | Type/ Model / Ref number | Device Name                                                                    | Risk Class | Date of CE compliance |
|---------------------------------|--------------------------|--------------------------------------------------------------------------------|------------|-----------------------|
| <b>Dehydrated Culture Media</b> |                          |                                                                                |            |                       |
| DCM                             | M1739                    | A7 Agar Base (Shepard's Differential Agar Base)                                | Low risk   | 20/12/2012            |
| DCM                             | MCD884                   | Aeromonas Isolation HiCynth™ Medium Base                                       | Low risk   | 12/08/2015            |
| DCM                             | MV884                    | Aeromonas Isolation HiVeg™ Medium Base                                         | Low risk   | 20/12/2012            |
| DCM                             | M884                     | Aeromonas Isolation Medium Base                                                | Low risk   | 20/12/2012            |
| DCM                             | M1284                    | Aeromonas Starch DNA Agar Base                                                 | Low risk   | 20/12/2012            |
| DCM                             | M016B                    | Agar Medium L (Brilliant Green, Phenol Red, Lactose Monohydrate, Sucrose Agar) | Low risk   | 20/12/2012            |
| DCM                             | ME016                    | Agar Medium L (Brilliant Green, Phenol Red, Lactose Monohydrate, Sucrose Agar) | Low risk   | 20/12/2012            |
| DCM                             | MCD618                   | Alkaline HiCynth™ Peptone Water                                                | Low risk   | 12/08/2015            |
| DCM                             | MV618                    | Alkaline HiVeg™ Peptone Water                                                  | Low risk   | 20/12/2012            |
| DCM                             | M618                     | Alkaline Peptone Water                                                         | Low risk   | 20/12/2012            |
| DCM                             | M1887                    | Alkaline Saline Peptone Water (ASPW)                                           | Low risk   | 10/11/2020            |
| DCM                             | M651                     | Amies Transport Medium w/ Charcoal                                             | Low risk   | 20/12/2012            |
| DCM                             | M684A                    | Amies Transport Medium, Liquid w/o charcoal                                    | Low risk   | 25/08/2016            |
| DCM                             | M228                     | Anaerobic Agar                                                                 | Low risk   | 20/12/2012            |
| DCM                             | M491                     | Anaerobic Agar (Brewer)                                                        | Low risk   | 20/12/2012            |
| DCM                             | M230                     | Anaerobic Agar w/o Dextrose                                                    | Low risk   | 20/12/2012            |
| DCM                             | M229                     | Anaerobic Agar w/o Dextrose and Eh Indicator                                   | Low risk   | 20/12/2012            |
| DCM                             | M1635                    | Anaerobic Basal Agar                                                           | Low risk   | 20/12/2012            |
| DCM                             | M1636                    | Anaerobic Basal Broth                                                          | Low risk   | 20/12/2012            |
| DCM                             | M1345                    | Anaerobic Blood Agar Base                                                      | Low risk   | 20/12/2012            |
| DCM                             | M975A                    | Anaerobic Blood Agar Base                                                      | Low risk   | 20/12/2012            |
| DCM                             | M1034                    | Anaerobic CNA Agar Base                                                        | Low risk   | 20/12/2012            |
| DCM                             | MV228                    | Anaerobic HiVeg™ Agar                                                          | Low risk   | 20/12/2012            |
| DCM                             | MV491                    | Anaerobic HiVeg™ Agar (Brewer)                                                 | Low risk   | 20/12/2012            |
| DCM                             | MV230                    | Anaerobic HiVeg™ Agar w/o Dextrose                                             | Low risk   | 20/12/2012            |
| DCM                             | MV229                    | Anaerobic HiVeg™ Agar w/o Dextrose and Eh Indicator                            | Low risk   | 20/12/2012            |
| DCM                             | MV909                    | Andrade Peptone Water w/ HiVeg™ Extract No. 1                                  | Low risk   | 20/12/2012            |
| DCM                             | M909                     | Andrade Peptone Water w/ HM Extract                                            | Low risk   | 20/12/2012            |
| DCM                             | M1485                    | Antibiotic Sulphonamide Sensitivity Test Agar (ASS Agar)                       | Low risk   | 20/12/2012            |
| DCM                             | M1576                    | Arabinose Agar Base                                                            | Low risk   | 30/10/2018            |
| DCM                             | M1637                    | Arcobacter Broth Base                                                          | Low risk   | 10/11/2020            |
| DCM                             | M1894                    | Arcobacter Selective Broth Base                                                | Low risk   | 10/11/2020            |

|     |         |                                                                                |          |            |
|-----|---------|--------------------------------------------------------------------------------|----------|------------|
| DCM | M672    | Asparagine Broth (Coccidioidin and Histoplasmin Broth)                         | Low risk | 20/12/2012 |
| DCM | M158    | Azide Blood Agar Base                                                          | Low risk | 20/12/2012 |
| DCM | MV158   | Azide Blood Agar Base, HiVeg™                                                  | Low risk | 20/12/2012 |
| DCM | M1271   | Azide Dextrose Broth w/ BCP                                                    | Low risk | 10/11/2020 |
| DCM | M220    | B.A.G.G. Broth Base (Buffered Azide Glucose Glycerol Broth Base)               | Low risk | 20/12/2012 |
| DCM | MV220   | B.A.G.G. HiVeg™ Broth Base (Buffered Azide Glucose Glycerol HiVeg™ Broth Base) | Low risk | 20/12/2012 |
| DCM | M106    | B.C.G. - Dextrose Agar (Snyder Test Agar)                                      | Low risk | 20/12/2012 |
| DCM | MV106   | B.C.G. - Dextrose HiVeg™ Agar (Snyder Test HiVeg™ Agar)                        | Low risk | 20/12/2012 |
| DCM | MCD462  | B.Q.Vaccine HiCynth™ Medium (Thioglycollate HiCynth™ Broth)                    | Low risk | 28/04/2017 |
| DCM | MV462   | B.Q.Vaccine HiVeg™ Medium (Thioglycollate Broth w/ HiVeg™ Extract No. 2)       | Low risk | 20/12/2012 |
| DCM | M462    | B.Q.Vaccine Medium (Thioglycollate Broth w/ HL Extract)                        | Low risk | 20/12/2012 |
| DCM | M861    | B.T.B. Lactose Agar                                                            | Low risk | 20/12/2012 |
| DCM | MCD861  | B.T.B. Lactose HiCynth™ Agar                                                   | Low risk | 28/04/2017 |
| DCM | MCD1081 | B.T.B. Lactose HiCynth™ Agar, Modified                                         | Low risk | 28/04/2017 |
| DCM | MV861   | B.T.B. Lactose HiVeg™ Agar                                                     | Low risk | 20/12/2012 |
| DCM | MV833   | Bacillus Cereus HiVeg™ Agar Base                                               | Low risk | 22/04/2019 |
| DCM | M833    | Bacillus Cereus Agar Base                                                      | Low risk | 22/04/2019 |
| DCM | M805    | Bacteroides Bile Esculin Agar Base (BBE)                                       | Low risk | 20/12/2012 |
| DCM | MV805   | Bacteroides HiVeg™ Agar Base (BBE)                                             | Low risk | 20/12/2012 |
| DCM | M043    | Baird Parker Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | M2093   | Baird Parker Agar Base w/o Egg Yolk Emulsion                                   | Low risk | 22/04/2019 |
| DCM | MCD043  | Baird Parker HiCynth™ Agar Base                                                | Low risk | 12/08/2015 |
| DCM | MV043   | Baird Parker HiVeg™ Agar Base                                                  | Low risk | 20/12/2012 |
| DCM | M1091   | Baird Staphylococcus Enrichment Broth Base                                     | Low risk | 10/11/2020 |
| DCM | M694    | Bennet's Agar                                                                  | Low risk | 20/12/2012 |
| DCM | M1683   | Bennet's Broth                                                                 | Low risk | 20/12/2012 |
| DCM | MV694   | Bennet's HiVeg™ Agar                                                           | Low risk | 20/12/2012 |
| DCM | M1888   | BETA-SSA Agar (Group A Streptococci Selective Agar)                            | Low risk | 20/12/2012 |
| DCM | M211    | BHI Agar (Special Infusion Agar)                                               | Low risk | 20/12/2012 |
| DCM | M211A   | BHI Agar w/ 1% Agar                                                            | Low risk | 20/12/2012 |
| DCM | MV211A  | BHI Agar w/ 1% Agar, HiVeg™                                                    | Low risk | 20/12/2012 |
| DCM | M1069   | BHI Agar w/ 3.0% Agar                                                          | Low risk | 20/12/2012 |
| DCM | MV211   | BHI Agar, HiVeg™ (Special Infusion Agar, HiVeg™)                               | Low risk | 20/12/2012 |
| DCM | M1611   | BHI Agar, Modified                                                             | Low risk | 20/12/2012 |
| DCM | M210    | BHI Broth                                                                      | Low risk | 20/12/2012 |
| DCM | M210I   | BHI Broth                                                                      | Low risk | 20/12/2012 |
| DCM | M209    | BHI CC Agar                                                                    | Low risk | 20/12/2012 |
| DCM | MV209   | BHI CC Agar, HiVeg™                                                            | Low risk | 20/12/2012 |
| DCM | MCD211  | BHI HiCynth™ Agar (Special Infusion HiCynth™ Agar)                             | Low risk | 12/08/2015 |



|     |        |                                                        |          |            |
|-----|--------|--------------------------------------------------------|----------|------------|
| DCM | MCD210 | BHI HiCynth™ Broth                                     | Low risk | 12/08/2015 |
| DCM | M1036  | BHI w/ 0.1% Agar                                       | Low risk | 20/12/2012 |
| DCM | M1037  | BHI w/ 6.5% NaCl                                       | Low risk | 20/12/2012 |
| DCM | MV1037 | BHI w/ 6.5% NaCl, HiVeg™                               | Low risk | 20/12/2012 |
| DCM | M212   | BHI w/ PABA                                            | Low risk | 20/12/2012 |
| DCM | M213   | BHI w/ PABA and Agar                                   | Low risk | 20/12/2012 |
| DCM | MV213  | BHI w/ PABA and Agar, HiVeg™                           | Low risk | 20/12/2012 |
| DCM | MV212  | BHI w/ PABA, HiVeg™                                    | Low risk | 20/12/2012 |
| DCM | MV1036 | BHI with 0.1% Agar, HiVeg™                             | Low risk | 20/12/2012 |
| DCM | MV210  | BHI, HiVeg™                                            | Low risk | 20/12/2012 |
| DCM | M217   | Bi.G.G.Y. Agar (Nickerson Medium)                      | Low risk | 20/12/2012 |
| DCM | MCD217 | Bi.G.G.Y. HiCynth™ Agar (Nickerson HiCynth™ Agar)      | Low risk | 25/08/2016 |
| DCM | M1396  | Bifidobacterium Agar                                   | Low risk | 10/11/2020 |
| DCM | M1960R | Bifidobacterium Agar (HiCrome™)                        | Low risk | 25/08/2016 |
| DCM | M1396R | Bifidobacterium Agar (Modified, Selective Medium, Kit) | Low risk | 04/07/2018 |
| DCM | M1858  | Bifidobacterium Agar, Modified                         | Low risk | 20/12/2012 |
| DCM | M1395  | Bifidobacterium Broth                                  | Low risk | 10/11/2020 |
| DCM | M071   | Bile Broth Base                                        | Low risk | 20/12/2012 |
| DCM | MV071  | Bile Broth Base, HiVeg™                                | Low risk | 20/12/2012 |
| DCM | M972A  | Bile Esculin Agar, Modified                            | Low risk | 22/04/2019 |
| DCM | M493   | Bile Esculin Azide Agar                                | Low risk | 10/11/2020 |
| DCM | MV493  | Bile Esculin Azide HiVeg™ Agar                         | Low risk | 10/11/2020 |
| DCM | MCD493 | Bile Esculin Azide HiCynth™ Agar                       | Low risk | 10/11/2020 |
| DCM | M481   | Bile Peptone Transport Medium                          | Low risk | 20/12/2012 |
| DCM | M739   | Bile Salt Agar                                         | Low risk | 20/12/2012 |
| DCM | MCD027 | Bismuth Sulphite HiCynth™ Agar                         | Low risk | 12/08/2015 |
| DCM | M027   | Bismuth Sulphite Agar                                  | Low risk | 20/12/2012 |
| DCM | M027L  | Bismuth Sulphite Agar                                  | Low risk | 04/07/2018 |
| DCM | MU027  | Bismuth Sulphite Agar Medium                           | Low risk | 20/12/2012 |
| DCM | M1004  | Bismuth Sulphite Agar, Modified                        | Low risk | 20/12/2012 |
| DCM | MV027  | Bismuth Sulphite HiVeg™ Agar                           | Low risk | 20/12/2012 |
| DCM | MV1004 | Bismuth Sulphite HiVeg™ Agar, Modified                 | Low risk | 20/12/2012 |
| DCM | M073   | Blood Agar Base (Infusion Agar)                        | Low risk | 20/12/2012 |
| DCM | M834   | Blood Agar Base No. 2                                  | Low risk | 20/12/2012 |
| DCM | M834A  | Blood Agar Base No. 2 w/ 1.2% Agar                     | Low risk | 20/12/2012 |
| DCM | MV834A | Blood Agar Base No. 2 w/ 1.2% Agar, HiVeg™             | Low risk | 20/12/2012 |
| DCM | MV834  | Blood Agar Base No. 2, HiVeg™                          | Low risk | 20/12/2012 |
| DCM | M834Z  | Blood Agar Base No.2                                   | Low risk | 28/04/2017 |
| DCM | M089   | Blood Agar Base w/ Low pH                              | Low risk | 20/12/2012 |
| DCM | MV089  | Blood Agar Base w/ Low pH, HiVeg™                      | Low risk | 20/12/2012 |

|     |        |                                                                                |          |            |
|-----|--------|--------------------------------------------------------------------------------|----------|------------|
| DCM | M1904  | Blood Agar Base w/ Nalidixic Acid                                              | Low risk | 20/12/2012 |
| DCM | MV073  | Blood Agar Base, HiVeg™ (Infusion Agar, HiVeg™)                                | Low risk | 20/12/2012 |
| DCM | M1989  | Blood Agar Base, Modified                                                      | Low risk | 20/12/2012 |
| DCM | M1318  | Blood Free Campylobacter Broth Base                                            | Low risk | 20/12/2012 |
| DCM | MCD073 | Blood HiCynth™ Agar Base (Infusion HiCynth™ Agar Base)                         | Low risk | 25/08/2016 |
| DCM | MCD834 | Blood HiCynth™ Agar Base No.2                                                  | Low risk | 25/08/2016 |
| DCM | MCD089 | Blood HiCynth™ Agar Base w/ Low pH                                             | Low risk | 25/08/2016 |
| DCM | M175   | Bordet Gengou Agar Base                                                        | Low risk | 20/12/2012 |
| DCM | M175A  | Bordet Gengou Agar Base w/ 1.6% Agar                                           | Low risk | 20/12/2012 |
| DCM | M175SB | Bordet Gengou Agar Base, Modified                                              | Low risk | 16/12/2017 |
| DCM | M2012  | Bordet Gengou Broth                                                            | Low risk | 25/08/2016 |
| DCM | MV175  | Bordet Gengou HiVeg™ Agar Base                                                 | Low risk | 20/12/2012 |
| DCM | MV175A | Bordet Gengou HiVeg™ Agar Base w/ 1.6% Agar                                    | Low risk | 20/12/2012 |
| DCM | M1020  | BPL Agar                                                                       | Low risk | 20/12/2012 |
| DCM | MV1020 | BPL HiVeg™ Agar                                                                | Low risk | 20/12/2012 |
| DCM | M016A  | Brilliant Green Agar Base w/ 1.2% Agar                                         | Low risk | 20/12/2012 |
| DCM | M971   | Brilliant Green Agar Base w/ Phosphates                                        | Low risk | 20/12/2012 |
| DCM | M016   | Brilliant Green Agar Base, Modified                                            | Low risk | 20/12/2012 |
| DCM | MCD016 | Brilliant Green Agar HiCynth™ Base, Modified                                   | Low risk | 12/08/2015 |
| DCM | MU016  | Brilliant Green Agar Medium                                                    | Low risk | 20/12/2012 |
| DCM | MM016  | Brilliant Green Agar Medium 16                                                 | Low risk | 20/12/2012 |
| DCM | MV016A | Brilliant Green HiVeg™ Agar Base w/ 1.2% Agar                                  | Low risk | 20/12/2012 |
| DCM | MV971  | Brilliant Green HiVeg™ Agar Base w/ Phosphates                                 | Low risk | 20/12/2012 |
| DCM | MV016  | Brilliant Green HiVeg™ Agar Base, Modified                                     | Low risk | 20/12/2012 |
| DCM | M016B  | Brilliant Green, Phenol Red, Lactose Monohydrate, Sucrose Agar (Agar Medium L) | Low risk | 20/12/2012 |
| DCM | ME016  | Brilliant Green, Phenol Red, Lactose Monohydrate, Sucrose Agar (Agar Medium L) | Low risk | 20/12/2012 |
| DCM | M1822  | Bromo Thymol Lactose Blue Agar                                                 | Low risk | 16/12/2017 |
| DCM | M074   | Brucella Agar Base                                                             | Low risk | 20/12/2012 |
| DCM | M1638  | Brucella Agar Base w/ 1.0% Dextrose                                            | Low risk | 20/12/2012 |
| DCM | M1039  | Brucella Agar Base w/ Hemin and Vitamin K                                      | Low risk | 20/12/2012 |
| DCM | M074A  | Brucella Agar Base, Modified                                                   | Low risk | 20/12/2012 |
| DCM | M5392  | Brucella Broth Base                                                            | Low risk | 30/10/2018 |
| DCM | M348   | Brucella Broth Base                                                            | Low risk | 20/12/2012 |
| DCM | MV074  | Brucella HiVeg™ Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV074A | Brucella HiVeg™ Agar Base, Modified                                            | Low risk | 20/12/2012 |
| DCM | MV348  | Brucella HiVeg™ Broth Base                                                     | Low risk | 20/12/2012 |
| DCM | M822   | Brucella Selective Medium Base                                                 | Low risk | 20/12/2012 |
| DCM | M1890  | BSIBG Agar (Aeromonas Selective Agar)                                          | Low risk | 10/11/2020 |
| DCM | M1668  | BSK - H Medium Base                                                            | Low risk | 20/12/2012 |

|     |         |                                                                     |          |            |
|-----|---------|---------------------------------------------------------------------|----------|------------|
| DCM | M1668B  | BSK - H Medium Base w/o BSA                                         | Low risk | 28/04/2017 |
| DCM | M813    | Buffered Charcoal Yeast Extract Agar Base                           | Low risk | 20/12/2012 |
| DCM | M813I   | Buffered Charcoal Yeast Extract Agar Medium (BCYE Medium)           | Low risk | 20/12/2012 |
| DCM | MCD813  | Buffered Charcoal Yeast Extract HiCynth™ Medium                     | Low risk | 25/08/2016 |
| DCM | M204    | Buffered Glycerol Saline Base                                       | Low risk | 20/12/2012 |
| DCM | MCD1275 | Buffered HiCynth™ Peptone Water w/ NaCl                             | Low risk | 12/08/2015 |
| DCM | MV614   | Buffered HiVeg™ Peptone Water                                       | Low risk | 22/04/2019 |
| DCM | MV1275  | Buffered HiVeg™ Peptone Water w/NaCl                                | Low risk | 20/12/2012 |
| DCM | M614    | Buffered Peptone Water                                              | Low risk | 22/04/2019 |
| DCM | M1275   | Buffered Peptone Water w/ NaCl                                      | Low risk | 20/12/2012 |
| DCM | M1851   | Buffered Peptone Water w/ Pyruvate                                  | Low risk | 20/12/2012 |
| DCM | MH1275  | Buffered Sodium Chloride-Peptone Solution pH 7.0                    | Low risk | 22/04/2019 |
| DCM | M1640   | Burkholderia Cepacia Agar Base                                      | Low risk | 20/12/2012 |
| DCM | MCD1640 | Burkholderia cepacia HiCynth™ Agar Base                             | Low risk | 25/08/2016 |
| DCM | M2089   | Burkholderia Cepacia Selectie Agar                                  | Low risk | 10/11/2020 |
| DCM | MU2089  | Burkholderia Cepacia Selective Agar (BCSA)                          | Low risk | 10/11/2020 |
| DCM | M470    | BYE Agar                                                            | Low risk | 20/12/2012 |
| DCM | MV470   | BYE HiVeg™ Agar                                                     | Low risk | 20/12/2012 |
| DCM | M911    | C. botulinum Isolation Agar Base                                    | Low risk | 20/12/2012 |
| DCM | MV911   | C. botulinum Isolation HiVeg™ Agar Base                             | Low risk | 20/12/2012 |
| DCM | M1146   | C.L.E.D. Agar Base w/o Indicator                                    | Low risk | 20/12/2012 |
| DCM | M792    | C.L.E.D. Agar w/ Bromo Thymol Blue                                  | Low risk | 20/12/2012 |
| DCM | MCD792  | C.L.E.D. HiCynth™ Agar w/BTB                                        | Low risk | 12/08/2015 |
| DCM | MCD352  | C.L.E.D. HiCynth™ Agar w/Andrade Indicator                          | Low risk | 12/08/2015 |
| DCM | MV1146  | C.L.E.D. HiVeg™ Agar Base w/o Indicator                             | Low risk | 20/12/2012 |
| DCM | MV352   | C.L.E.D. HiVeg™ Agar w/ Andrade Indicator                           | Low risk | 20/12/2012 |
| DCM | MV792   | C.L.E.D. HiVeg™ Agar w/ Bromo Thymol Blue                           | Low risk | 20/12/2012 |
| DCM | M352    | C.L.E.D. Agar w/ Andrade Indicator                                  | Low risk | 20/12/2012 |
| DCM | M352M   | C.L.E.D. Agar w/ Andrades Indicator                                 | Low risk | 22/04/2019 |
| DCM | M352A   | C.L.E.D. Agar w/o Lactose & w/ Andrades Indicator                   | Low risk | 22/04/2019 |
| DCM | M563    | Caffeic Acid Ferric Citrate Test Agar (CAFC Medium)                 | Low risk | 20/12/2012 |
| DCM | M893    | CAL Agar (Cellobiose Arginine Lysine Agar)                          | Low risk | 20/12/2012 |
| DCM | M894    | CAL Broth (Cellobiose Arginine Lysine Broth)                        | Low risk | 20/12/2012 |
| DCM | MV893   | CAL HiVeg™ Agar (Cellobiose Arginine Lysine HiVeg™ Agar)            | Low risk | 20/12/2012 |
| DCM | MV894   | CAL HiVeg™ Broth (Cellobiose Arginine Lysine HiVeg™ Broth)          | Low risk | 20/12/2012 |
| DCM | MV908   | Campylo Thioglycollate HiVeg™ Medium Base                           | Low risk | 20/12/2012 |
| DCM | M908    | Campylo Thioglycollate Medium Base                                  | Low risk | 20/12/2012 |
| DCM | M994    | Campylobacter Agar Base                                             | Low risk | 20/12/2012 |
| DCM | M1267   | Campylobacter Cefex Agar Base                                       | Low risk | 20/12/2012 |
| DCM | M899    | Campylobacter Enrichment Broth Base (Preston Enrichment Broth Base) | Low risk | 20/12/2012 |

|     |        |                                                                                   |          |            |
|-----|--------|-----------------------------------------------------------------------------------|----------|------------|
| DCM | MV899  | Campylobacter Enrichment HiVeg™ Broth Base (Preston Enrichment HiVeg™ Broth Base) | Low risk | 20/12/2012 |
| DCM | MV994  | Campylobacter HiVeg™ Agar Base                                                    | Low risk | 20/12/2012 |
| DCM | M1240  | Campylobacter Nitrate Broth                                                       | Low risk | 20/12/2012 |
| DCM | MV1240 | Campylobacter Nitrate HiVeg™ Broth                                                | Low risk | 20/12/2012 |
| DCM | M1602  | Candida Agar                                                                      | Low risk | 20/12/2012 |
| DCM | M355   | Candida BCG Agar Base                                                             | Low risk | 20/12/2012 |
| DCM | MV355  | Candida BCG HiVeg™ Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV104  | Candida HiVeg™ Medium                                                             | Low risk | 20/12/2012 |
| DCM | M104   | Candida Medium                                                                    | Low risk | 20/12/2012 |
| DCM | M202   | Cary - Blair Medium Base (Transport Medium w/o Charcoal)                          | Low risk | 20/12/2012 |
| DCM | M202A  | Cary Blair Medium, Liquid w/o charcoal                                            | Low risk | 25/08/2016 |
| DCM | M794   | Casitose Agar w/ 2.5% Agar                                                        | Low risk | 20/12/2012 |
| DCM | M200   | Casitose Broth                                                                    | Low risk | 20/12/2012 |
| DCM | M910   | Casitose Yeast Extract Broth (CAYE)                                               | Low risk | 20/12/2012 |
| DCM | MV910  | Casitose Yeast Extract HiVeg™ Broth (CAYE)                                        | Low risk | 20/12/2012 |
| DCM | M201   | Casman Agar Base                                                                  | Low risk | 20/12/2012 |
| DCM | M766   | Casman Broth Base                                                                 | Low risk | 20/12/2012 |
| DCM | MV201  | Casman HiVeg™ Agar Base                                                           | Low risk | 20/12/2012 |
| DCM | MV766  | Casman HiVeg™ Broth Base                                                          | Low risk | 20/12/2012 |
| DCM | MH024  | Cetrimide Agar                                                                    | Low risk | 22/04/2019 |
| DCM | M024   | Cetrimide Agar Base                                                               | Low risk | 20/12/2012 |
| DCM | M1742  | Cetrimide Agar Base (w 1.3% Agar)                                                 | Low risk | 20/12/2012 |
| DCM | M862   | Cetrimide Broth                                                                   | Low risk | 20/12/2012 |
| DCM | MCD024 | Cetrimide HiCynth™ Agar Base                                                      | Low risk | 12/08/2015 |
| DCM | MV024  | Cetrimide HiVeg™ Agar Base                                                        | Low risk | 20/12/2012 |
| DCM | MV862  | Cetrimide HiVeg™ Broth                                                            | Low risk | 20/12/2012 |
| DCM | M344   | Charcoal Agar Base                                                                | Low risk | 10/11/2020 |
| DCM | MV344  | Charcoal Agar Base, HiVeg™                                                        | Low risk | 10/11/2020 |
| DCM | M1053  | Charcoal Agar Base with Niacin                                                    | Low risk | 16/12/2017 |
| DCM | M646   | Charcoal Blood Agar Base                                                          | Low risk | 10/11/2020 |
| DCM | MV646  | Charcoal Blood Agar Base, HiVeg™                                                  | Low risk | 10/11/2020 |
| DCM | M103   | Chocolate Agar Base                                                               | Low risk | 20/12/2012 |
| DCM | MV103  | Chocolate HiVeg™ Agar Base                                                        | Low risk | 20/12/2012 |
| DCM | M1548  | Chocolate No. 2 Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | MV1548 | Chocolate No. 2 HiVeg™ Agar Base                                                  | Low risk | 20/12/2012 |
| DCM | MV558  | Cholera HiVeg™ Medium Base                                                        | Low risk | 20/12/2012 |
| DCM | M558   | Cholera Medium Base                                                               | Low risk | 20/12/2012 |
| DCM | M143   | Christensen Citrate Agar                                                          | Low risk | 20/12/2012 |
| DCM | M1820  | Chrysoidin Agar with MUG                                                          | Low risk | 16/12/2017 |

|     |         |                                                                          |          |            |
|-----|---------|--------------------------------------------------------------------------|----------|------------|
| DCM | M497    | Clostridial Agar                                                         | Low risk | 20/12/2012 |
| DCM | MV497   | Clostridial HiVeg™ Agar                                                  | Low risk | 20/12/2012 |
| DCM | M836    | Clostridium Difficile Agar Base                                          | Low risk | 20/12/2012 |
| DCM | MV836   | Clostridium Difficile HiVeg™ Agar Base                                   | Low risk | 20/12/2012 |
| DCM | M1976   | Clostridium difficile Mannitol Taurocholate Broth base (CCMB -TAL Broth) | Low risk | 20/12/2012 |
| DCM | M272    | Coagulase Mannitol Agar Base                                             | Low risk | 20/12/2012 |
| DCM | M277    | Coagulase Mannitol Broth Base                                            | Low risk | 20/12/2012 |
| DCM | MV272   | Coagulase Mannitol HiVeg™ Agar Base                                      | Low risk | 20/12/2012 |
| DCM | MV277   | Coagulase Mannitol HiVeg™ Broth Base                                     | Low risk | 20/12/2012 |
| DCM | M1826   | Coliform Broth w/SLS                                                     | Low risk | 22/04/2019 |
| DCM | MV1826  | Coliform HiVeg Broth w/ SLS                                              | Low risk | 22/04/2019 |
| DCM | MH144   | Columbia Agar                                                            | Low risk | 22/04/2019 |
| DCM | M144M   | Columbia Agar                                                            | Low risk | 22/04/2019 |
| DCM | M144PM  | Columbia Blood Agar Base                                                 | Low risk | 22/04/2019 |
| DCM | M144R   | Columbia Blood Agar Base                                                 | Low risk | 25/08/2016 |
| DCM | M144    | Columbia Blood Agar Base                                                 | Low risk | 20/12/2012 |
| DCM | M144A   | Columbia Blood Agar Base w/ 1% Agar                                      | Low risk | 20/12/2012 |
| DCM | MV144A  | Columbia Blood Agar Base w/ 1% Agar, HiVeg™                              | Low risk | 20/12/2012 |
| DCM | M1133   | Columbia Blood Agar Base w/ Hemin                                        | Low risk | 20/12/2012 |
| DCM | MV144   | Columbia Blood Agar Base, HiVeg™                                         | Low risk | 20/12/2012 |
| DCM | MCD144  | Columbia Blood HiCynth™ Agar Base                                        | Low risk | 12/08/2015 |
| DCM | MCD144A | Columbia Blood HiCynth™ Agar Base w/1% Agar                              | Low risk | 12/08/2015 |
| DCM | M145    | Columbia Broth Base                                                      | Low risk | 20/12/2012 |
| DCM | MV145   | Columbia Broth Base, HiVeg™                                              | Low risk | 20/12/2012 |
| DCM | M560    | Columbia C.N.A. Agar Base                                                | Low risk | 20/12/2012 |
| DCM | M560A   | Columbia C.N.A. Agar Base w/ 1% Agar                                     | Low risk | 20/12/2012 |
| DCM | MV560   | Columbia C.N.A. HiVeg™ Agar Base                                         | Low risk | 20/12/2012 |
| DCM | MV560A  | Columbia C.N.A. HiVeg™ Agar Base w/ 1% Agar                              | Low risk | 20/12/2012 |
| DCM | MCD145  | Columbia HiCynth™ Broth                                                  | Low risk | 12/08/2015 |
| DCM | M2103   | Congo Red Magnesium Oxalate (CR-MOX) Agar                                | Low risk | 22/04/2019 |
| DCM | M730    | Conn's Agar                                                              | Low risk | 20/12/2012 |
| DCM | M149    | Cooked M Medium (R.C .Medium)                                            | Low risk | 16/12/2017 |
| DCM | M1040   | Cooked M Medium w/ Glucose, Hemin & Vitamin K                            | Low risk | 16/12/2017 |
| DCM | MV731   | Corn Meal HiVeg™ Peptone Yeast Agar                                      | Low risk | 20/12/2012 |
| DCM | M731    | Corn Meal Peptone Yeast Agar                                             | Low risk | 20/12/2012 |
| DCM | M897    | Crystal Violet Lactose Agar                                              | Low risk | 10/11/2020 |
| DCM | MV897   | Crystal Violet Lactose HiVeg™ Agar                                       | Low risk | 10/11/2020 |
| DCM | M1892   | CTAS Agar Base (Carnobacterium Selective Agar Base)                      | Low risk | 20/12/2012 |
| DCM | M172    | Cystine H Agar Base                                                      | Low risk | 20/12/2012 |



|     |        |                                                                                      |          |            |
|-----|--------|--------------------------------------------------------------------------------------|----------|------------|
| DCM | MV172  | Cystine HiVeg™ Agar Base                                                             | Low risk | 20/12/2012 |
| DCM | M881   | Cystine Tellurite Agar Base                                                          | Low risk | 20/12/2012 |
| DCM | M160   | D.C.L.S. Agar                                                                        | Low risk | 20/12/2012 |
| DCM | M178   | D.C.L.S. Agar, Hajna                                                                 | Low risk | 20/12/2012 |
| DCM | MV160  | D.C.L.S. HiVeg™ Agar                                                                 | Low risk | 20/12/2012 |
| DCM | MV178  | D.C.L.S. HiVeg™ Agar                                                                 | Low risk | 20/12/2012 |
| DCM | M188   | D.T.M. Agar Base (Dermatophyte Test Agar Base)                                       | Low risk | 20/12/2012 |
| DCM | M501   | Decarboxylase Agar Base                                                              | Low risk | 20/12/2012 |
| DCM | M393   | Decarboxylase Broth Base, Moeller (Moeller Decarboxylase Broth Base)                 | Low risk | 20/12/2012 |
| DCM | MV501  | Decarboxylase HiVeg™ Agar Base                                                       | Low risk | 20/12/2012 |
| DCM | MV393  | Decarboxylase HiVeg™ Broth Base, Moeller (Moeller Decarboxylase HiVeg™ Broth Base)   | Low risk | 20/12/2012 |
| DCM | M030   | Deoxycholate Agar                                                                    | Low risk | 20/12/2012 |
| DCM | MV030  | Deoxycholate Agar, HiVeg™                                                            | Low risk | 20/12/2012 |
| DCM | M065   | Deoxycholate Citrate Agar                                                            | Low risk | 20/12/2012 |
| DCM | M1639  | Deoxycholate Citrate Agar w/1.5% Agar                                                | Low risk | 20/12/2012 |
| DCM | M222   | Deoxycholate Citrate Agar w/o Sucrose                                                | Low risk | 20/12/2012 |
| DCM | MV065  | Deoxycholate Citrate Agar, HiVeg™                                                    | Low risk | 20/12/2012 |
| DCM | MCD065 | Deoxycholate Citrate HiCynth™ Agar                                                   | Low risk | 12/08/2015 |
| DCM | M084   | Dextrose Agar                                                                        | Low risk | 20/12/2012 |
| DCM | M286   | Dextrose Agar Base, Emmons (Sabouraud Dextrose Agar Base, Modified)                  | Low risk | 20/12/2012 |
| DCM | MV084  | Dextrose HiVeg™ Agar                                                                 | Low risk | 20/12/2012 |
| DCM | MV286  | Dextrose HiVeg™ Agar Base, Emmons (Sabouraud Dextrose HiVeg™ AgarBase, Modified)     | Low risk | 20/12/2012 |
| DCM | M734   | Dextrose Proteose Peptone Agar Base                                                  | Low risk | 20/12/2012 |
| DCM | MV734  | Dextrose Proteose Peptone HiVeg™ Agar Base                                           | Low risk | 20/12/2012 |
| DCM | M502   | Diagnostic Sensitivity Test Agar (D.S.T. Agar)                                       | Low risk | 20/12/2012 |
| DCM | M111   | Diagnostic Stuart's Urea Broth Base (Urea Broth Base)                                | Low risk | 20/12/2012 |
| DCM | MV191  | Diagnostic Thioglycollate HiVeg™ Medium (Thioglycollate HiVeg™ Medium w/o Indicator) | Low risk | 20/12/2012 |
| DCM | M191   | Diagnostic Thioglycollate Medium (Thioglycollate Medium w/o Indicator)               | Low risk | 20/12/2012 |
| DCM | M1129  | Dichloran Glycerol Medium Base                                                       | Low risk | 22/04/2019 |
| DCM | M1049  | Differential Agar for Group D Streptococci                                           | Low risk | 10/11/2020 |
| DCM | M814   | Differential Buffered Charcoal Yeast Extract Agar Base                               | Low risk | 20/12/2012 |
| DCM | M1603  | Differential Reinforced Clostridial Agar                                             | Low risk | 10/11/2020 |
| DCM | M915   | Dihydrolase Broth Base                                                               | Low risk | 20/12/2012 |
| DCM | MV915  | Dihydrolase HiVeg™ Broth Base                                                        | Low risk | 20/12/2012 |
| DCM | MM1276 | Dilute Sautans Medium (Twin Pack)                                                    | Low risk | 20/12/2012 |
| DCM | M882   | Diphtheria Virulence Agar Base                                                       | Low risk | 25/08/2016 |
| DCM | M882R  | Diphtheria Virulence Agar Base Modified                                              | Low risk | 25/08/2016 |

|     |        |                                                                    |          |            |
|-----|--------|--------------------------------------------------------------------|----------|------------|
| DCM | MV882  | Diphtheria Virulence HiVeg™ Agar Base                              | Low risk | 25/08/2016 |
| DCM | M1984  | Dixon's Agar                                                       | Low risk | 20/12/2012 |
| DCM | M1419  | DNase Test Agar w/ Methyl Green                                    | Low risk | 10/11/2020 |
| DCM | M057   | Double Sugar Agar, Russell (Russell Double Sugar Agar)             | Low risk | 20/12/2012 |
| DCM | MV057  | Double Sugar HiVeg™ Agar (Russell Double Sugar HiVeg™ Agar)        | Low risk | 20/12/2012 |
| DCM | M916   | Doyle's Enrichment Broth Base                                      | Low risk | 20/12/2012 |
| DCM | MV916  | Doyle's Enrichment HiVeg™ Broth Base                               | Low risk | 20/12/2012 |
| DCM | M1378  | Drigalski Lactose Agar, Modified                                   | Low risk | 20/12/2012 |
| DCM | M1761  | Drigalski Lactose Selective Agar                                   | Low risk | 20/12/2012 |
| DCM | M659   | Drigalski Litmus Lactose Agar                                      | Low risk | 20/12/2012 |
| DCM | MV659  | Drigalski Litmus Lactose HiVeg™ Agar                               | Low risk | 20/12/2012 |
| DCM | M5349  | DTP Medium                                                         | Low risk | 30/10/2018 |
| DCM | M067   | Dubos Broth Base                                                   | Low risk | 20/12/2012 |
| DCM | MV067  | Dubos HiVeg™ Broth Base                                            | Low risk | 20/12/2012 |
| DCM | M179   | Dubos Oleic Agar Base                                              | Low risk | 20/12/2012 |
| DCM | M839   | Dubos Oleic Broth Base                                             | Low risk | 20/12/2012 |
| DCM | MV179  | Dubos Oleic HiVeg™ Agar Base                                       | Low risk | 20/12/2012 |
| DCM | MV839  | Dubos Oleic HiVeg™ Broth Base                                      | Low risk | 20/12/2012 |
| DCM | M1536  | Dulcitol Selenite Broth (Selenite-F Broth w/ Dulcitol) (Twin Pack) | Low risk | 20/12/2012 |
| DCM | M854   | E.T. Medium                                                        | Low risk | 20/12/2012 |
| DCM | M1768  | EC Blue Broth                                                      | Low risk | 20/12/2012 |
| DCM | MV1768 | EC Blue HiVeg™ Broth                                               | Low risk | 20/12/2012 |
| DCM | M127   | EC Broth                                                           | Low risk | 20/12/2012 |
| DCM | M127I  | EC Broth                                                           | Low risk | 20/12/2012 |
| DCM | MV127  | EC HiVeg™ Broth                                                    | Low risk | 20/12/2012 |
| DCM | M748   | Edward's Medium Base, Modified                                     | Low risk | 20/12/2012 |
| DCM | MV748  | Edward's Medium HiVeg™ Base, Modified                              | Low risk | 20/12/2012 |
| DCM | M294   | Edwards and Bruner Semisolid Medium                                | Low risk | 20/12/2012 |
| DCM | M808   | Egg Yolk Agar Base                                                 | Low risk | 20/12/2012 |
| DCM | MV808  | Egg Yolk Agar Base, HiVeg™                                         | Low risk | 20/12/2012 |
| DCM | M1043  | Egg Yolk Agar Base, Modified                                       | Low risk | 20/12/2012 |
| DCM | M086   | Eijkman Lactose Broth                                              | Low risk | 20/12/2012 |
| DCM | MV086  | Eijkman Lactose HiVeg™ Broth                                       | Low risk | 20/12/2012 |
| DCM | M368   | Elliker Broth (Lactobacilli Broth)                                 | Low risk | 10/11/2020 |
| DCM | MV368  | Elliker HiVeg™ Broth (Lactobacilli HiVeg™ Broth)                   | Low risk | 10/11/2020 |
| DCM | M317   | EMB Agar                                                           | Low risk | 20/12/2012 |
| DCM | M301   | EMB Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | M022   | EMB Agar, Levine                                                   | Low risk | 20/12/2012 |
| DCM | M022S  | EMB Agar, Levine                                                   | Low risk | 20/12/2012 |
| DCM | M503   | EMB Broth                                                          | Low risk | 20/12/2012 |

|     |        |                                                               |          |            |
|-----|--------|---------------------------------------------------------------|----------|------------|
| DCM | MV317  | EMB HiVeg™ Agar                                               | Low risk | 20/12/2012 |
| DCM | MV022  | EMB HiVeg™ Agar, Levine                                       | Low risk | 20/12/2012 |
| DCM | MV503  | EMB HiVeg™ Broth                                              | Low risk | 20/12/2012 |
| DCM | M325   | Emerson Agar                                                  | Low risk | 20/12/2012 |
| DCM | MV325  | Emerson HiVeg™ Agar                                           | Low risk | 20/12/2012 |
| DCM | M773   | Emerson YSS Agar                                              | Low risk | 20/12/2012 |
| DCM | M029   | Endo Agar                                                     | Low risk | 20/12/2012 |
| DCM | M1077  | Endo Agar Base                                                | Low risk | 20/12/2012 |
| DCM | M1258  | Endo Agar w/ NaCl                                             | Low risk | 20/12/2012 |
| DCM | M1075  | Endo Agar, Modified                                           | Low risk | 20/12/2012 |
| DCM | M029R  | Endo Agar, Special                                            | Low risk | 25/08/2016 |
| DCM | MCD029 | Endo HiCynth™ Agar                                            | Low risk | 12/08/2015 |
| DCM | MV029  | Endo HiVeg™ Agar                                              | Low risk | 20/12/2012 |
| DCM | MV1077 | Endo HiVeg™ Agar Base                                         | Low risk | 20/12/2012 |
| DCM | MV1258 | Endo HiVeg™ Agar w/ NaCl                                      | Low risk | 20/12/2012 |
| DCM | MV1075 | Endo HiVeg™ Agar, Modified                                    | Low risk | 20/12/2012 |
| DCM | M738   | Enriched Thioglycollate Broth                                 | Low risk | 20/12/2012 |
| DCM | MV738  | Enriched Thioglycollate HiVeg™ Broth                          | Low risk | 20/12/2012 |
| DCM | MV077  | Entamoeba HiVeg™ Medium                                       | Low risk | 20/12/2012 |
| DCM | M077   | Entamoeba Medium                                              | Low risk | 20/12/2012 |
| DCM | M1662  | Enteric Fermentation Base                                     | Low risk | 20/12/2012 |
| DCM | MH287  | Enterobacteria Enrichment Broth, Mossel                       | Low risk | 22/04/2019 |
| DCM | M426   | Ethyl Violet Azide Broth (E.V.A. Broth)                       | Low risk | 20/12/2012 |
| DCM | M426S  | Ethyl Violet Azide Broth (E.V.A. Broth)                       | Low risk | 20/12/2012 |
| DCM | M1397  | Ethyl Violet Azide Dextrose Agar                              | Low risk | 20/12/2012 |
| DCM | MV426  | Ethyl Violet Azide HiVeg™ Broth (E.V.A. HiVeg™ Broth)         | Low risk | 20/12/2012 |
| DCM | M428   | Eugonic Agar                                                  | Low risk | 20/12/2012 |
| DCM | M429   | Eugonic Broth                                                 | Low risk | 20/12/2012 |
| DCM | MV428  | Eugonic HiVeg™ Agar                                           | Low risk | 20/12/2012 |
| DCM | MV429  | Eugonic HiVeg™ Broth                                          | Low risk | 20/12/2012 |
| DCM | M1517  | Eugonic LT 100 Broth Base w/o Tween 80                        | Low risk | 20/12/2012 |
| DCM | M1517Z | Eugonic LT 100 Broth Base w/o Tween 80                        | Low risk | 17/06/2021 |
| DCM | M811   | Feeley Gorman Agar (F.G. Agar)                                | Low risk | 20/12/2012 |
| DCM | M812   | Feeley Gorman Broth (F.G. Broth)                              | Low risk | 20/12/2012 |
| DCM | MV811  | Feeley Gorman HiVeg™ Agar (F.G. HiVeg™ Agar)                  | Low risk | 20/12/2012 |
| DCM | MV812  | Feeley Gorman HiVeg™ Broth (F.G. HiVeg™ Broth)                | Low risk | 20/12/2012 |
| DCM | M827   | Fermentation Medium for Staphylococcus and Micrococcus        | Low risk | 20/12/2012 |
| DCM | MV919  | Fermentation HiVeg™ Medium Base for C. perfringens            | Low risk | 20/12/2012 |
| DCM | MV825  | Fermentation HiVeg™ Medium for Neisseriae                     | Low risk | 20/12/2012 |
| DCM | MV827  | Fermentation HiVeg™ Medium for Staphylococcus and Micrococcus | Low risk | 20/12/2012 |

|     |        |                                                                                                       |          |            |
|-----|--------|-------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | M919   | Fermentation Medium Base for C. perfringens                                                           | Low risk | 20/12/2012 |
| DCM | M825   | Fermentation Medium for Neisseriae                                                                    | Low risk | 20/12/2012 |
| DCM | M1028  | Field's Tryptic Digest Broth (Tryptic Digest Broth)                                                   | Low risk | 20/12/2012 |
| DCM | MV1028 | Field's Tryptic digest Broth, HiVeg™ (Tryptic Digest Broth, HiVeg™)                                   | Low risk | 20/12/2012 |
| DCM | MV239  | Fletcher Leptospira HiVeg™ Medium Base (Leptospira HiVeg™ MediumBase, Fletcher)                       | Low risk | 20/12/2012 |
| DCM | M239   | Fletcher Leptospira Medium Base (Leptospira Medium Base, Fletcher)                                    | Low risk | 20/12/2012 |
| DCM | M1209  | Fluconazole Testing Medium (Twin Pack)                                                                | Low risk | 20/12/2012 |
| DCM | MV013  | Fluid Sabouraud HiVeg™ Medium (Sabouraud Medium, Fluid, HiVeg™ )                                      | Low risk | 20/12/2012 |
| DCM | M013   | Fluid Sabouraud Medium (Sabouraud Medium, Fluid)                                                      | Low risk | 20/12/2012 |
| DCM | M1533I | Fluid Selenite Cystine Broth (Twin Pack)                                                              | Low risk | 20/12/2012 |
| DCM | MV025  | Fluid Selenite Cystine HiVeg™ Medium (Selenite Cystine HiVeg™ Broth) (Twin Pack)                      | Low risk | 20/12/2012 |
| DCM | M025   | Fluid Selenite Cystine Medium (Selenite Cystine Broth) (Twin Pack)                                    | Low risk | 20/12/2012 |
| DCM | MM025  | Fluid Selenite Cystine Medium (Twin Pack)                                                             | Low risk | 20/12/2012 |
| DCM | MU025  | Fluid Selenite Cystine Medium (Twin Pack)                                                             | Low risk | 20/12/2012 |
| DCM | MCD032 | Fluid Tetrathionate HiCynth™ Medium w/o Iodine and BG                                                 | Low risk | 25/08/2016 |
| DCM | MV032  | Fluid Tetrathionate HiVeg™ Medium w/o Iodine and BG (Tetrathionate HiVeg™ Broth Base w/o Iodine & BG) | Low risk | 20/12/2012 |
| DCM | M032   | Fluid Tetrathionate Medium w/o Iodine and BG (Tetrathionate Broth Base w/o Iodine and BG)             | Low risk | 20/12/2012 |
| DCM | MV009  | Fluid Thioglycollate HiVeg™ Medium                                                                    | Low risk | 22/04/2019 |
| DCM | M009   | Fluid Thioglycollate medium (Thioglycollate medium Fluid)                                             | Low risk | 22/04/2019 |
| DCM | M543   | Folic Acid Casei Medium                                                                               | Low risk | 20/12/2012 |
| DCM | M2014  | Folic Acid Casei Medium, Modified                                                                     | Low risk | 25/08/2016 |
| DCM | M1050  | Frey Mycoplasma Broth Base                                                                            | Low risk | 20/12/2012 |
| DCM | M475   | Fungobiotic Agar (Mycobio Agar)                                                                       | Low risk | 10/11/2020 |
| DCM | M476   | Garrod Actinomyces Medium                                                                             | Low risk | 10/11/2020 |
| DCM | M1073  | GBS Medium Base                                                                                       | Low risk | 28/04/2017 |
| DCM | M434   | GC Agar Base                                                                                          | Low risk | 25/08/2016 |
| DCM | MV434  | GC HiVeg™ Agar Base                                                                                   | Low risk | 04/07/2018 |
| DCM | M5397  | Gifu Anaerobic Broth w/o starch & dextrose                                                            | Low risk | 22/04/2019 |
| DCM | M2079  | Gifu Anaerobic Broth, Modified (GAM)                                                                  | Low risk | 04/07/2018 |
| DCM | M1746  | Glucose Agar                                                                                          | Low risk | 10/11/2020 |
| DCM | M435   | Glucose Citrate Broth Base                                                                            | Low risk | 20/12/2012 |
| DCM | M433   | Glucose Cysteine Agar Base w/ Thiamine                                                                | Low risk | 20/12/2012 |
| DCM | MV433  | Glucose Cysteine HiVeg™ Agar Base w/ Thiamine                                                         | Low risk | 20/12/2012 |
| DCM | M070   | Glucose Phosphate Broth (Buffered Glucose Broth)                                                      | Low risk | 20/12/2012 |
| DCM | MV070  | Glucose Phosphate HiVeg™ Broth (Buffered Glucose HiVeg™ Broth)                                        | Low risk | 20/12/2012 |
| DCM | M621   | Glucose Salt Teepol Broth (Twin Pack)                                                                 | Low risk | 20/12/2012 |

|     |          |                                                             |          |            |
|-----|----------|-------------------------------------------------------------|----------|------------|
| DCM | MV621    | Glucose Salt Teepol HiVeg™ Broth (Twin Pack)                | Low risk | 20/12/2012 |
| DCM | M1935    | Glycerol Mannitol Acetamide Cetrimide Agar                  | Low risk | 20/12/2012 |
| DCM | M242     | GN Broth, Hajna                                             | Low risk | 20/12/2012 |
| DCM | MV242    | GN HiVeg™ Broth                                             | Low risk | 20/12/2012 |
| DCM | M1888    | Group A Streptococci Selective Agar (BETA-SSA Agar)         | Low risk | 20/12/2012 |
| DCM | M1607    | Gum Listeria Medium                                         | Low risk | 20/12/2012 |
| DCM | M243     | H Broth                                                     | Low risk | 20/12/2012 |
| DCM | MV116    | H.S. Vaccine HiVeg™ Medium (Standard Nutrient HiVeg™ Broth) | Low risk | 20/12/2012 |
| DCM | M116     | H.S. Vaccine Medium (Standard Nutrient Broth)               | Low risk | 20/12/2012 |
| DCM | M1259    | Haemophilus Test Agar Base                                  | Low risk | 20/12/2012 |
| DCM | M551     | Hartley's Digest Broth                                      | Low risk | 20/12/2012 |
| DCM | MV551    | Hartley's Digest HiVeg™ Broth                               | Low risk | 20/12/2012 |
| DCM | M467     | Hektoen Enteric Agar                                        | Low risk | 20/12/2012 |
| DCM | MU467    | Hektoen Enteric Agar Medium                                 | Low risk | 20/12/2012 |
| DCM | MCD467   | Hektoen Enteric HiCynth™ Agar                               | Low risk | 12/08/2015 |
| DCM | MV467    | Hektoen Enteric HiVeg™ Agar                                 | Low risk | 20/12/2012 |
| DCM | M5390    | Helicobacter Pylori Selective Agar                          | Low risk | 30/10/2018 |
| DCM | M1158    | Hemorrhagic Coli (HC) Agar                                  | Low risk | 20/12/2012 |
| DCM | M169     | HI Agar                                                     | Low risk | 20/12/2012 |
| DCM | MV169    | HI Agar, HiVeg™                                             | Low risk | 20/12/2012 |
| DCM | M170     | HI Broth                                                    | Low risk | 20/12/2012 |
| DCM | MV170    | HI Broth, HiVeg™                                            | Low risk | 20/12/2012 |
| DCM | M1938    | HiCrome™ Acinetobacter Agar Base                            | Low risk | 20/12/2012 |
| DCM | M1651    | HiCrome™ Bacillus Agar                                      | Low risk | 25/08/2016 |
| DCM | MCD1651  | HiCrome™ Bacillus HiCynth™ Agar                             | Low risk | 25/08/2016 |
| DCM | M1960    | HiCrome™ Bifidobacterium Agar                               | Low risk | 20/12/2012 |
| DCM | M1456AR  | HiCrome™ Candida Differential Agar, Modified                | Low risk | 25/08/2016 |
| DCM | MCD1297A | HiCrome™ Candida Differential HiCynth™ Agar                 | Low risk | 12/08/2015 |
| DCM | M1832    | HiCrome Coliform Agar Modified                              | Low risk | 22/04/2019 |
| DCM | MV1300   | HiCrome Coliform HiVeg Agar w/ SLS                          | Low risk | 22/04/2019 |
| DCM | MV1295   | HiCrome E. coli HiVeg™ Agar                                 | Low risk | 22/04/2019 |
| DCM | MV1293   | HiCrome ECC HiVeg™ Agar                                     | Low risk | 22/04/2019 |
| DCM | MV1294   | HiCrome ECC Selective HiVeg Agar Base                       | Low risk | 22/04/2019 |
| DCM | M1598    | HiCrome Enrichment Broth Base for EC O157:H7                | Low risk | 22/04/2019 |
| DCM | M1577    | HiCrome™ Enterobacter sakazakii Agar                        | Low risk | 22/04/2019 |
| DCM | M1641    | HiCrome Enterobacter sakazakii Agar, Modified               | Low risk | 22/04/2019 |
| DCM | MV1577   | HiCrome Enterobacter sakazakii HiVeg™ Agar                  | Low risk | 22/04/2019 |
| DCM | MV1641   | HiCrome Enterobacter sakazakii HiVeg™ Agar, Modified        | Low risk | 22/04/2019 |
| DCM | M1580    | HiCrome™ Enterococcus faecium Agar Base                     | Low risk | 25/08/2016 |
| DCM | MCD1466  | HiCrome™ Improved Salmonella HiCynth™ Agar                  | Low risk | 12/08/2015 |

|     |          |                                                            |          |            |
|-----|----------|------------------------------------------------------------|----------|------------|
| DCM | M1569    | HiCrome M-Lauryl Sulphate Agar                             | Low risk | 22/04/2019 |
| DCM | M1862    | HiCrome M-Modified ECO157:H7 Selective Agar Base           | Low risk | 22/04/2019 |
| DCM | M1571    | HiCrome M-TEC Agar                                         | Low risk | 22/04/2019 |
| DCM | M1713    | HiCrome M-TEC Broth                                        | Low risk | 22/04/2019 |
| DCM | M1985    | HiCrome™ Malassezia Agar                                   | Low risk | 20/12/2012 |
| DCM | M1953R   | HiCrome™ MeReSa Agar Base (Modified)                       | Low risk | 25/08/2016 |
| DCM | M1953    | HiCrome™ MeReSa Agar Base (Modified)                       | Low risk | 25/08/2016 |
| DCM | M2010    | HiCrome™ Mueller Hinton Agar                               | Low risk | 25/08/2016 |
| DCM | M1974    | HiCrome™ Rapid MRSA Agar Base                              | Low risk | 20/12/2012 |
| DCM | M1842    | HiCrome Selective Salmonella Agar Base                     | Low risk | 22/04/2019 |
| DCM | M1353R   | HiCrome™ UTI Agar                                          | Low risk | 25/08/2016 |
| DCM | MCD1353  | HiCrome™ UTI HiCynth™ Agar                                 | Low risk | 12/08/2015 |
| DCM | MV1353R  | HiCrome™ UTI HiVeg™ Agar                                   | Low risk | 25/08/2016 |
| DCM | MV1682   | HiCrome Vibrio HiVeg™ Agar                                 | Low risk | 22/04/2019 |
| DCM | M2114    | HiCrome™ C.auris (MDR) Selective Agar Base                 | Low risk | 10/11/2020 |
| DCM | M2020    | HiCrome™ Campylobacter Agar Base                           | Low risk | 16/12/2017 |
| DCM | M1297A   | HiCrome™ Candida Differential Agar                         | Low risk | 20/12/2012 |
| DCM | M1297AR  | HiCrome™ Candida Differential Agar Base                    | Low risk | 20/12/2012 |
| DCM | M1456A   | HiCrome™ Candida Differential Agar Base, Modified          | Low risk | 20/12/2012 |
| DCM | MV1297A  | HiCrome™ Candida Differential HiVeg™ Agar                  | Low risk | 20/12/2012 |
| DCM | MV1456A  | HiCrome™ Candida Differential HiVeg™ Agar Base, Modified   | Low risk | 20/12/2012 |
| DCM | M2099    | HiCrome™ CarbaResist Agar Base                             | Low risk | 22/04/2019 |
| DCM | M1991I   | HiCrome™ Chromogenic Coliform Agar (CCA)                   | Low risk | 22/04/2019 |
| DCM | M2026    | HiCrome™ Clostridial Agar Base                             | Low risk | 25/08/2016 |
| DCM | M1300    | HiCrome™ Coliform Agar w/ SLS                              | Low risk | 22/04/2019 |
| DCM | MCD1300  | HiCrome™ Coliform HiCynth™ Agar w/ SLS                     | Low risk | 10/11/2020 |
| DCM | M2094    | HiCrome™ Colistin Resistant Agar Base                      | Low risk | 30/10/2018 |
| DCM | M2062I   | HiCrome™ Cronobacter Isolation Agar (CCI Agar)             | Low risk | 10/11/2020 |
| DCM | M1295    | HiCrome™ E. coli Agar                                      | Low risk | 22/04/2019 |
| DCM | M1295I   | HiCrome™ E. coli Agar                                      | Low risk | 22/04/2019 |
| DCM | MCD1295  | HiCrome™ E.coli HiCynth™ Agar                              | Low risk | 22/04/2019 |
| DCM | MCD1580  | HiCrome™ E.faecium HiCynth™ Agar Base                      | Low risk | 25/08/2016 |
| DCM | M1575A   | HiCrome™ EC O157 : H7 Selective Agar Base, Modified        | Low risk | 10/11/2020 |
| DCM | MV1575A  | HiCrome™ EC O157 : H7 Selective HiVeg™ Agar Base, Modified | Low risk | 10/11/2020 |
| DCM | MCD1575A | HiCrome™ EC O157:H7 HiCynth™ Agar Base, Modified           | Low risk | 10/11/2020 |
| DCM | M1574A   | HiCrome™ EC O157:H7 Agar,Modified                          | Low risk | 22/04/2019 |
| DCM | M1293    | HiCrome™ ECC Agar                                          | Low risk | 22/04/2019 |
| DCM | M1294    | HiCrome™ ECC Selective Agar Base                           | Low risk | 22/04/2019 |
| DCM | M2056    | HiCrome™ ECC Selective Agar Base, Modified                 | Low risk | 22/04/2019 |
| DCM | M1488    | HiCrome™ ECD Agar w/ MUG                                   | Low risk | 10/11/2020 |



|     |         |                                                                                                                  |          |            |
|-----|---------|------------------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | MV1488  | HiCrome™ ECD HiVeg™ Agar w/ MUG                                                                                  | Low risk | 10/11/2020 |
| DCM | MCD1598 | HiCrome™ Enrichment HiCynth™ Broth Base for ECO157:H7                                                            | Low risk | 10/11/2020 |
| DCM | MCD1641 | HiCrome™ Enterobacter sakazakii HiCynth™ Agar, Modified (HiCrome™ Cronobacter sakazakii HiCynth™ Agar, Modified) | Low risk | 10/11/2020 |
| DCM | M1376   | HiCrome™ Enterococci Broth                                                                                       | Low risk | 10/11/2020 |
| DCM | MCD1376 | HiCrome™ Enterococci HiCynth™ Broth                                                                              | Low risk | 10/11/2020 |
| DCM | MV1376  | HiCrome™ Enterococci HiVeg™ Broth                                                                                | Low risk | 10/11/2020 |
| DCM | MV1580  | HiCrome™ Enterococcus faecium HiVeg™ Agar Base                                                                   | Low risk | 10/11/2020 |
| DCM | M1829   | HiCrome™ ESBL Agar Base                                                                                          | Low risk | 20/12/2012 |
| DCM | M2128   | HiCrome™ Haemophilus Agar Base                                                                                   | Low risk | 17/06/2021 |
| DCM | M1466   | HiCrome™ Improved Salmonella Agar                                                                                | Low risk | 20/12/2012 |
| DCM | MV1466  | HiCrome™ Improved Salmonella HiVeg™ Agar                                                                         | Low risk | 20/12/2012 |
| DCM | M1573   | HiCrome™ Klebsiella Selective Agar Base                                                                          | Low risk | 10/11/2020 |
| DCM | MV1573  | HiCrome™ Klebsiella Selective HiVeg™ Agar Base                                                                   | Low risk | 10/11/2020 |
| DCM | M1831   | HiCrome™ KPC Agar Base                                                                                           | Low risk | 20/12/2012 |
| DCM | M2009   | HiCrome™ L mono differential Agar Base                                                                           | Low risk | 10/11/2020 |
| DCM | M1924   | HiCrome™ L.mono Rapid Differential Agar Base                                                                     | Low risk | 10/11/2020 |
| DCM | M2065   | HiCrome™ Lactobacillus Selective Agar Base                                                                       | Low risk | 10/11/2020 |
| DCM | M1417F  | HiCrome™ Listeria Agar Base                                                                                      | Low risk | 10/11/2020 |
| DCM | M1417   | HiCrome™ Listeria Agar Base, Modified                                                                            | Low risk | 10/11/2020 |
| DCM | MCD1417 | HiCrome™ Listeria HiCynth™ Agar Base, Modified                                                                   | Low risk | 10/11/2020 |
| DCM | M1340   | HiCrome™ MacConkey Sorbitol Agar Base                                                                            | Low risk | 20/12/2012 |
| DCM | MCD1340 | HiCrome™ MacConkey Sorbitol HiCynth™ Agar                                                                        | Low risk | 25/08/2016 |
| DCM | M2058   | HiCrome™ M-Coliconfirm Agar Base                                                                                 | Low risk | 10/11/2020 |
| DCM | M2064   | HiCrome™ M-Coliconfirm Broth Base                                                                                | Low risk | 22/04/2019 |
| DCM | M1674   | HiCrome™ MeReSa Agar Base                                                                                        | Low risk | 20/12/2012 |
| DCM | MCD1674 | HiCrome™ MeReSa HiCynth™ Agar Base                                                                               | Low risk | 25/08/2016 |
| DCM | MV1674  | HiCrome™ MeReSa HiVeg™ Agar Base                                                                                 | Low risk | 20/12/2012 |
| DCM | M1393   | HiCrome™ MM Agar                                                                                                 | Low risk | 20/12/2012 |
| DCM | M1816   | HiCrome™ MM Agar , Modified                                                                                      | Low risk | 04/07/2018 |
| DCM | M1816R  | HiCrome™ MM Agar , Modified                                                                                      | Low risk | 04/07/2018 |
| DCM | MCD1816 | HiCrome™ MM HiCynth™ Agar, Modified (HiCrome™ Miller and Mallinson HiCynth™ Agar)                                | Low risk | 10/11/2020 |
| DCM | MV1393  | HiCrome™ MM HiVeg™ Agar                                                                                          | Low risk | 20/12/2012 |
| DCM | MCD1571 | HiCrome™ M-TEC HiCynth™ Agar                                                                                     | Low risk | 10/11/2020 |
| DCM | MCD1713 | HiCrome™ M-TEC HiCynth™ Broth                                                                                    | Low risk | 10/11/2020 |
| DCM | M2067   | HiCrome™ Mueller Hinton Agar (for antifungal)                                                                    | Low risk | 16/12/2017 |
| DCM | M1712   | HiCrome™ Nickels and Leesment Medium                                                                             | Low risk | 10/11/2020 |
| DCM | MV1712  | HiCrome™ Nickels & Leesment HiVeg™ Agar Base                                                                     | Low risk | 10/11/2020 |
| DCM | MCD1633 | HiCrome™ RajHans HiCynth™ Medium (Salmonella HiCynth™ Agar)                                                      | Low risk | 25/08/2016 |

|     |         |                                                               |          |            |
|-----|---------|---------------------------------------------------------------|----------|------------|
| DCM | M1633   | HiCrome™ RajHans Medium (Salmonella Agar)                     | Low risk | 20/12/2012 |
| DCM | M1634   | HiCrome™ RajHans Medium, Modified (Salmonella Agar, Modified) | Low risk | 20/12/2012 |
| DCM | M2011   | HiCrome™ Rapid ECC Broth                                      | Low risk | 22/04/2019 |
| DCM | MCD1974 | HiCrome™ Rapid MRSA HiCynth™ Agar Base                        | Low risk | 25/08/2016 |
| DCM | M2116   | HiCrome™ Salmoconfirm Selective Agar                          | Low risk | 10/11/2020 |
| DCM | M1296   | HiCrome™ Salmonella Agar                                      | Low risk | 20/12/2012 |
| DCM | MV1296  | HiCrome™ Salmonella HiVeg™ Agar                               | Low risk | 20/12/2012 |
| DCM | MCD1842 | HiCrome™ Selective Salmonella HiCynth™ Agar Base              | Low risk | 10/11/2020 |
| DCM | M1837   | HiCrome™ Staph Agar Base, Modified                            | Low risk | 20/12/2012 |
| DCM | M1931   | HiCrome™ Staph Selective Agar                                 | Low risk | 10/11/2020 |
| DCM | M2092   | HiCrome™ STEC Agar Base                                       | Low risk | 30/10/2018 |
| DCM | M1840   | HiCrome™ Strep B Selective Agar Base                          | Low risk | 04/07/2018 |
| DCM | M1966   | HiCrome™ Strep B Selective Agar Base, Modified                | Low risk | 20/12/2012 |
| DCM | MCD1840 | HiCrome™ Strep B Selective HiCynth™ Agar Base                 | Low risk | 04/07/2018 |
| DCM | M1600   | HiCrome™ Universal Differential Medium                        | Low risk | 20/12/2012 |
| DCM | MCD1418 | HiCrome™ UTI HiCynth™ Agar, Modified                          | Low risk | 25/08/2016 |
| DCM | M1353   | HiCrome™ UTI Agar                                             | Low risk | 20/12/2012 |
| DCM | M1418   | HiCrome™ UTI Agar, Modified                                   | Low risk | 20/12/2012 |
| DCM | MV1353  | HiCrome™ UTI HiVeg™ Agar                                      | Low risk | 20/12/2012 |
| DCM | MV1418  | HiCrome™ UTI HiVeg™ Agar, Modified                            | Low risk | 20/12/2012 |
| DCM | M1505   | HiCrome™ UTI Selective Agar                                   | Low risk | 20/12/2012 |
| DCM | MV1505  | HiCrome™ UTI Selective HiVeg™ Agar                            | Low risk | 20/12/2012 |
| DCM | M1682   | HiCrome™ Vibrio Agar                                          | Low risk | 22/04/2019 |
| DCM | MCD1682 | HiCrome™ Vibrio HiCynth™ Agar                                 | Low risk | 10/11/2020 |
| DCM | M1830   | HiCrome™ VRE Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M1925   | HiCrome™ VRE Agar Base, Modified                              | Low risk | 20/12/2012 |
| DCM | M2025   | HiCrome™ Yersinia Agar Base                                   | Low risk | 25/08/2016 |
| DCM | M1951   | HiCrome™ M-Coliform Differential Agar Base                    | Low risk | 22/04/2019 |
| DCM | M2048   | HiFast™ Listeria Enrichment Broth Base                        | Low risk | 10/11/2020 |
| DCM | M1469   | HiFluoro Pseudomonas Agar Base                                | Low risk | 20/12/2012 |
| DCM | MV1469  | HiFluoro Pseudomonas HiVeg™ Agar Base                         | Low risk | 20/12/2012 |
| DCM | M2126   | HiMRSA™ Confirmation Agar Base                                | Low risk | 18/06/2021 |
| DCM | M1218   | High Salt Nutrient Agar                                       | Low risk | 20/12/2012 |
| DCM | M1219   | High Salt Peptone Yeast Extract Agar                          | Low risk | 20/12/2012 |
| DCM | M1054   | Hippurate Hydrolysis Broth                                    | Low risk | 20/12/2012 |
| DCM | M485    | Hi-Sensitivity Test Agar                                      | Low risk | 20/12/2012 |
| DCM | M486    | Hi-Sensitivity Test Broth                                     | Low risk | 20/12/2012 |
| DCM | MV485   | Hi-Sensitivity Test HiVeg™ Agar                               | Low risk | 20/12/2012 |
| DCM | MV486   | Hi-Sensitivity Test HiVeg™ Broth                              | Low risk | 20/12/2012 |

|     |        |                                                                             |          |            |
|-----|--------|-----------------------------------------------------------------------------|----------|------------|
| DCM | M485A  | HiSitest Agar                                                               | Low risk | 20/12/2012 |
| DCM | MV806  | HiVeg™ Extract Agar                                                         | Low risk | 20/12/2012 |
| DCM | MV807  | HiVeg™ Extract Broth                                                        | Low risk | 20/12/2012 |
| DCM | MV028  | HiVeg™ Peptone Water                                                        | Low risk | 20/12/2012 |
| DCM | M806   | HM Peptone B Agar                                                           | Low risk | 20/12/2012 |
| DCM | M807   | HM Peptone B Broth                                                          | Low risk | 20/12/2012 |
| DCM | M924   | Horie Arabinose Ethyl Violet Broth                                          | Low risk | 20/12/2012 |
| DCM | M5385  | Horse Blood agar                                                            | Low risk | 30/10/2018 |
| DCM | M1425  | Hottinger Broth                                                             | Low risk | 20/12/2012 |
| DCM | MV015  | Hoyle HiVeg™ Medium Base                                                    | Low risk | 20/12/2012 |
| DCM | M015   | Hoyle Medium Base                                                           | Low risk | 20/12/2012 |
| DCM | MV871  | Hugh Leifson Glucose HiVeg™ Medium                                          | Low risk | 20/12/2012 |
| DCM | M871   | Hugh Leifson Glucose Medium                                                 | Low risk | 20/12/2012 |
| DCM | MV826  | Hugh Leifson HiVeg™ Medium                                                  | Low risk | 20/12/2012 |
| DCM | M826   | Hugh Leifson Medium                                                         | Low risk | 20/12/2012 |
| DCM | M826S  | Hugh Leifson Medium                                                         | Low risk | 20/12/2012 |
| DCM | MV364  | Indole Nitrate HiVeg™ Medium (Tryptone Nitrate HiVeg™ Medium)               | Low risk | 20/12/2012 |
| DCM | M364   | Indole Nitrate Medium (Tryptone Nitrate Medium)                             | Low risk | 20/12/2012 |
| DCM | M574   | Inositol Brilliant Green Bile Agar (Plesiomonas Differential Agar)          | Low risk | 20/12/2012 |
| DCM | MV574  | Inositol Brilliant Green HiVeg™ Agar (Plesiomonas Differential HiVeg™ Agar) | Low risk | 20/12/2012 |
| DCM | M1222  | Karmali Campylobacter Agar Base                                             | Low risk | 10/11/2020 |
| DCM | M248   | KF Streptococcal Agar Base                                                  | Low risk | 22/04/2019 |
| DCM | M249   | KF Streptococcal Broth Base                                                 | Low risk | 20/12/2012 |
| DCM | MV248  | KF Streptococcal HiVeg Agar Base                                            | Low risk | 22/04/2019 |
| DCM | MV249  | KF Streptococcal HiVeg™ Broth Base                                          | Low risk | 20/12/2012 |
| DCM | M1007  | KF Streptococcus Agar Base w/ BCP                                           | Low risk | 20/12/2012 |
| DCM | M1021  | KF Streptococcus Broth Base w/ BCP                                          | Low risk | 20/12/2012 |
| DCM | MV1021 | KF Streptococcus HiVeg™ Broth Base w/ BCP                                   | Low risk | 20/12/2012 |
| DCM | M1232  | Kimmig Fungi Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV1232 | Kimmig Fungi HiVeg™ Agar Base                                               | Low risk | 20/12/2012 |
| DCM | M1543  | King's Medium A Base                                                        | Low risk | 20/12/2012 |
| DCM | M1235  | King's OF Medium Base                                                       | Low risk | 20/12/2012 |
| DCM | MV1235 | Kings OF Medium Base, HiVeg™                                                | Low risk | 20/12/2012 |
| DCM | M2040  | Kirchner Medium Base                                                        | Low risk | 28/04/2017 |
| DCM | M161   | Kirchner Medium Base, Modified                                              | Low risk | 20/12/2012 |
| DCM | M078   | Kligler Iron Agar                                                           | Low risk | 20/12/2012 |
| DCM | M078I  | Kligler Iron Agar                                                           | Low risk | 20/12/2012 |
| DCM | M078A  | Kligler Iron Agar, Modified                                                 | Low risk | 20/12/2012 |
| DCM | MCD078 | Kligler Iron HiCynth™ Agar                                                  | Low risk | 12/08/2015 |

|     |         |                                                                                      |          |            |
|-----|---------|--------------------------------------------------------------------------------------|----------|------------|
| DCM | MV078   | Kligler Iron HiVeg™ Agar                                                             | Low risk | 20/12/2012 |
| DCM | MV142   | Kohn Two Tube HiVeg™ Medium No.1 Base                                                | Low risk | 20/12/2012 |
| DCM | MV802   | Kohn Two Tube HiVeg™ Medium No.2                                                     | Low risk | 20/12/2012 |
| DCM | M142    | Kohn Two Tube Medium No.1 Base                                                       | Low risk | 20/12/2012 |
| DCM | M802    | Kohn Two Tube Medium No.2                                                            | Low risk | 20/12/2012 |
| DCM | M069    | Koser Citrate Medium                                                                 | Low risk | 20/12/2012 |
| DCM | MV171   | Kracke Blood Culture HiVeg™ Medium                                                   | Low risk | 20/12/2012 |
| DCM | M171    | Kracke Blood Culture Medium                                                          | Low risk | 20/12/2012 |
| DCM | M305    | Kupferberg Trichomonas Broth Base (Trichomonas Broth Base, Kupferberg)               | Low risk | 20/12/2012 |
| DCM | MV305   | Kupferberg Trichomonas HiVeg™ Broth Base (Trichomonas HiVeg™ Broth Base, Kupferberg) | Low risk | 20/12/2012 |
| DCM | M928    | L Broth                                                                              | Low risk | 20/12/2012 |
| DCM | M1312   | L Broth, Modified                                                                    | Low risk | 20/12/2012 |
| DCM | M162R   | L J Medium Base, Modified (Lowenstein Jensen Medium Base, Modified)                  | Low risk | 25/08/2016 |
| DCM | M1552   | L. mono Confirmatory Agar Base                                                       | Low risk | 20/12/2012 |
| DCM | MV1552  | L. mono Confirmatory HiVeg™ Agar Base                                                | Low risk | 20/12/2012 |
| DCM | M742    | L.D. Agar                                                                            | Low risk | 20/12/2012 |
| DCM | M744    | L.D. Egg Yolk Agar Base                                                              | Low risk | 20/12/2012 |
| DCM | M743    | L.D. Esculin Agar                                                                    | Low risk | 20/12/2012 |
| DCM | MV743   | L.D. Esculin HiVeg™ Agar                                                             | Low risk | 20/12/2012 |
| DCM | MV742   | L.D. HiVeg™ Agar                                                                     | Low risk | 20/12/2012 |
| DCM | M1540   | L.mono Differential Agar Base                                                        | Low risk | 22/04/2019 |
| DCM | M1540I  | HiCrome™ Listeria Ottaviani-Agosti Agar Base                                         | Low risk | 10/11/2020 |
| DCM | M1540IR | L.mono Differential Agar Base                                                        | Low risk | 10/11/2020 |
| DCM | MCD1540 | L.mono Differential HiCynth™ Agar Base                                               | Low risk | 22/04/2019 |
| DCM | MV1540  | L.mono Differential HiVeg™ Agar Base                                                 | Low risk | 22/04/2019 |
| DCM | M926    | Lactic Streak Agar (Reddy's Differential Agar, Modified)                             | Low risk | 20/12/2012 |
| DCM | MV926   | Lactic Streak HiVeg™ Agar                                                            | Low risk | 20/12/2012 |
| DCM | MV368   | Lactobacilli HiVeg™ Broth (Elliker HiVeg™ Broth)                                     | Low risk | 20/12/2012 |
| DCM | M927    | Lactobacillus Bulgaricus Agar Base                                                   | Low risk | 20/12/2012 |
| DCM | MV927   | Lactobacillus Bulgaricus HiVeg™ Agar Base                                            | Low risk | 20/12/2012 |
| DCM | M641    | Lactobacillus MRS Agar (MRS Agar)                                                    | Low risk | 20/12/2012 |
| DCM | M641I   | Lactobacillus MRS Agar (MRS Agar)                                                    | Low risk | 20/12/2012 |
| DCM | M369    | Lactobacillus MRS Broth (MRS Broth)                                                  | Low risk | 20/12/2012 |
| DCM | MV641   | Lactobacillus MRS HiVeg™ Agar (MRS HiVeg™ Agar)                                      | Low risk | 20/12/2012 |
| DCM | MV369   | Lactobacillus MRS HiVeg™ Broth (MRS HiVeg™ Broth)                                    | Low risk | 20/12/2012 |
| DCM | M1165   | Lactobacillus Selection Bile Agar Base (LBS Bile Agar)                               | Low risk | 20/12/2012 |
| DCM | M1081   | Lactose Blue Agar (B.T.B. Lactose Agar, Modified)                                    | Low risk | 20/12/2012 |
| DCM | MV1081  | Lactose Blue HiVeg™ Agar (B.T.B. Lactose HiVeg™ Agar, Modified)                      | Low risk | 20/12/2012 |

|     |         |                                                                                  |          |            |
|-----|---------|----------------------------------------------------------------------------------|----------|------------|
| DCM | M1003   | Lactose Broth                                                                    | Low risk | 22/04/2019 |
| DCM | MV1003  | Lactose HiVeg™ Broth                                                             | Low risk | 22/04/2019 |
| DCM | M1047   | Lactose Lecithin Agar                                                            | Low risk | 04/07/2018 |
| DCM | M080    | Lauryl Sulphate Broth (Lauryl Tryptose Broth)                                    | Low risk | 22/04/2019 |
| DCM | MV080   | Lauryl SulphateHiVeg™ Broth (Lauryl Tryptose HiVeg™ Broth)                       | Low risk | 22/04/2019 |
| DCM | M180    | Lead Acetate Agar                                                                | Low risk | 10/11/2020 |
| DCM | M1839   | Leeds Acinetobacter Agar Base                                                    | Low risk | 20/12/2012 |
| DCM | M1938R  | Leeds Acinetobacter Agar Base (HiCrome™ Acinetobacter Agar Base)                 | Low risk | 25/08/2016 |
| DCM | M1845   | Legionella Agar Base w/o Charcoal                                                | Low risk | 10/11/2020 |
| DCM | M1380   | Leifson Agar                                                                     | Low risk | 20/12/2012 |
| DCM | MV1380  | Leifson HiVeg™ Agar                                                              | Low risk | 20/12/2012 |
| DCM | M1138   | Leifson's Deoxycholate Agar, Modified                                            | Low risk | 20/12/2012 |
| DCM | MV1138  | Leifson's Deoxycholate HiVeg™ Agar, Modified                                     | Low risk | 20/12/2012 |
| DCM | MV239   | Leptospira HiVeg™ Medium Base, Fletcher (Fletcher Leptospira HiVeg™ Medium Base) | Low risk | 20/12/2012 |
| DCM | MV457   | Leptospira HiVeg™ Medium Base, Korthof, Modified                                 | Low risk | 20/12/2012 |
| DCM | M1009   | Leptospira Medium Base                                                           | Low risk | 20/12/2012 |
| DCM | M239    | Leptospira Medium Base, Fletcher (Fletcher Leptospira Medium Base)               | Low risk | 20/12/2012 |
| DCM | M457    | Leptospira Medium Base, Korthof, Modified                                        | Low risk | 20/12/2012 |
| DCM | MV472   | Levinthal's HiVeg™ Medium Base                                                   | Low risk | 20/12/2012 |
| DCM | M472    | Levinthal's Medium Base                                                          | Low risk | 20/12/2012 |
| DCM | M374    | LI Agar                                                                          | Low risk | 20/12/2012 |
| DCM | MV374   | LI Agar, HiVeg™                                                                  | Low risk | 20/12/2012 |
| DCM | M153    | LI Broth                                                                         | Low risk | 20/12/2012 |
| DCM | MV153   | LI Broth, HiVeg™                                                                 | Low risk | 20/12/2012 |
| DCM | M627    | Lipovitellin Salt Mannitol Agar Base                                             | Low risk | 20/12/2012 |
| DCM | M817    | Liquoid Broth                                                                    | Low risk | 20/12/2012 |
| DCM | MV817   | Liquoid HiVeg™ Broth                                                             | Low risk | 20/12/2012 |
| DCM | M569    | Listeria Enrichment Broth (Twin Pack)                                            | Low risk | 20/12/2012 |
| DCM | MV569   | Listeria Enrichment HiVeg™ Broth (Twin Pack)                                     | Low risk | 20/12/2012 |
| DCM | MV890A  | Listeria Enrichment HiVeg™ Medium Base (UVM)                                     | Low risk | 20/12/2012 |
| DCM | M890A   | Listeria Enrichment Medium Base (UVM)                                            | Low risk | 20/12/2012 |
| DCM | M1064   | Listeria Identification Agar Base (PALCAM)                                       | Low risk | 22/04/2019 |
| DCM | M1090   | Listeria Identification Broth Base (PALCAM)                                      | Low risk | 22/04/2019 |
| DCM | MV1064  | Listeria Identification HiVeg Agar Base (PALCAM)                                 | Low risk | 22/04/2019 |
| DCM | MV1090  | Listeria Identification HiVeg Broth Base (PALCAM)                                | Low risk | 22/04/2019 |
| DCM | MCD1145 | Listeria Oxford HiCynth™ Medium Base                                             | Low risk | 25/08/2016 |
| DCM | MV1145  | Listeria Oxford HiVeg™ Medium Base                                               | Low risk | 20/12/2012 |
| DCM | M1145R  | Listeria Oxford Medium Base                                                      | Low risk | 25/08/2016 |

|     |       |                                                                     |          |            |
|-----|-------|---------------------------------------------------------------------|----------|------------|
| DCM | M1145 | Listeria Oxford Medium Base                                         | Low risk | 20/12/2012 |
| DCM | M1781 | Listeria Oxford Medium Base, Modified                               | Low risk | 20/12/2012 |
| DCM | M567  | Listeria Selective Agar (Twin Pack)                                 | Low risk | 20/12/2012 |
| DCM | M1474 | Listeria Selective Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M889  | Listeria Selective Broth Base                                       | Low risk | 20/12/2012 |
| DCM | M1865 | Listeria Selective Enrichment Broth                                 | Low risk | 22/04/2019 |
| DCM | MV567 | Listeria Selective HiVeg™ Agar (Twin Pack)                          | Low risk | 20/12/2012 |
| DCM | MV889 | Listeria Selective HiVeg™ Broth Base                                | Low risk | 20/12/2012 |
| DCM | M507  | Litmus Lactose Bile Salt Agar (LLBSA)                               | Low risk | 10/11/2020 |
| DCM | MV507 | Litmus Lactose HiVeg™ Agar                                          | Low risk | 10/11/2020 |
| DCM | M373  | Littman Bile Agar Base                                              | Low risk | 20/12/2012 |
| DCM | M663  | Littman Bile Broth Base                                             | Low risk | 20/12/2012 |
| DCM | MV373 | Littman HiVeg™ Agar Base                                            | Low risk | 20/12/2012 |
| DCM | MV663 | Littman HiVeg™ Broth Base                                           | Low risk | 20/12/2012 |
| DCM | M1001 | LM Agar                                                             | Low risk | 20/12/2012 |
| DCM | M1934 | LM Agar, Modified                                                   | Low risk | 20/12/2012 |
| DCM | MV537 | Loeffler HiVeg™ Medium Base                                         | Low risk | 20/12/2012 |
| DCM | M537  | Loeffler Medium Base                                                | Low risk | 20/12/2012 |
| DCM | M1189 | Loeffler Serum Medium Base                                          | Low risk | 20/12/2012 |
| DCM | MM162 | Lowenstein - Jensen Medium (L.J. Medium) (Twin Pack)                | Low risk | 20/12/2012 |
| DCM | M162R | Lowenstein Jensen Medium Base, Modified (L J Medium Base, Modified) | Low risk | 25/08/2016 |
| DCM | M162  | Lowenstein Jensen Medium Base (L.J. Medium)                         | Low risk | 20/12/2012 |
| DCM | M1542 | Lowenstein Jensen Medium Base w/o Starch                            | Low risk | 20/12/2012 |
| DCM | M2032 | Lowenstein Jensen Medium Base, Modified                             | Low risk | 25/08/2016 |
| DCM | M176  | LV Agar (Liver Veal Agar)                                           | Low risk | 10/11/2020 |
| DCM | M1977 | Lysine Indole Motility Medium, Modified                             | Low risk | 10/11/2020 |
| DCM | MH081 | MacConkey Agar                                                      | Low risk | 22/04/2019 |
| DCM | M1024 | MacConkey Agar Base                                                 | Low risk | 20/12/2012 |
| DCM | M1819 | MacConkey Agar II w/o CV                                            | Low risk | 20/12/2012 |
| DCM | M008E | MacConkey Agar Medium                                               | Low risk | 20/12/2012 |
| DCM | M081  | MacConkey Agar w/ 0.15% Bile Salts, CV and NaCl                     | Low risk | 20/12/2012 |
| DCM | M061  | MacConkey Agar w/ Bromo Thymol Blue                                 | Low risk | 20/12/2012 |
| DCM | M1582 | MacConkey Agar w/ CV and w/o NaCl                                   | Low risk | 20/12/2012 |
| DCM | M081A | MacConkey Agar w/ CV, NaCl, and 0.15% Bile Salts                    | Low risk | 20/12/2012 |
| DCM | M008  | MacConkey Agar w/o CV w/ 0.15% Bile Salts                           | Low risk | 20/12/2012 |
| DCM | M082A | MacConkey Agar w/o CV, NaCl w/ 0.5% Bile Salts                      | Low risk | 20/12/2012 |
| DCM | M082  | MacConkey Agar w/o CV, NaCl w/ 0.5% Sodium Taurocholate             | Low risk | 20/12/2012 |
| DCM | M008A | MacConkey Agar w/o CV, w/ 0.5% Bile Salts                           | Low risk | 20/12/2012 |
| DCM | M008B | MacConkey Agar w/o CV, w/ 1.2% Agar                                 | Low risk | 20/12/2012 |

|     |         |                                                                    |          |            |
|-----|---------|--------------------------------------------------------------------|----------|------------|
| DCM | M1785   | MacConkey Agar w/o CV, w/0.5% Sodium Taurocholate                  | Low risk | 20/12/2012 |
| DCM | M1702   | MacConkey Agar, RS                                                 | Low risk | 20/12/2012 |
| DCM | MH083   | MacConkey Broth                                                    | Low risk | 22/04/2019 |
| DCM | M083    | MacConkey Broth Purple w/BCP                                       | Low risk | 22/04/2019 |
| DCM | MCD081  | MacConkey HiCynth™ Agar w/ 0.15% Bile Salts                        | Low risk | 25/08/2016 |
| DCM | MCD082  | MacConkey HiCynth™ Agar w/o CV, NaCl                               | Low risk | 25/08/2016 |
| DCM | MV1024  | MacConkey HiVeg™ Agar Base                                         | Low risk | 20/12/2012 |
| DCM | MV061   | MacConkey HiVeg™ Agar w/ Bromo Thymol Blue                         | Low risk | 20/12/2012 |
| DCM | MV081   | MacConkey HiVeg™ Agar w/ CV, NaCl, 0.003% NR and 1.5% Agar         | Low risk | 20/12/2012 |
| DCM | MV081A  | MacConkey HiVeg™ Agar w/ CV, NaCl, 0.005% NR and 1.5% Agar         | Low risk | 20/12/2012 |
| DCM | MV082   | MacConkey HiVeg™ Agar w/o CV and NaCl, w/ 0.004% NR and 2.0% Agar  | Low risk | 20/12/2012 |
| DCM | MV082A  | MacConkey HiVeg™ Agar w/o CV and NaCl, w/ 0.0075% NR and 1.2% Agar | Low risk | 20/12/2012 |
| DCM | MV008B  | MacConkey HiVeg™ Agar w/o CV, w/ 0.003% NR and 1.2% Agar           | Low risk | 20/12/2012 |
| DCM | MV008   | MacConkey HiVeg™ Agar w/o CV, w/ 0.003% NR and 1.5% Agar           | Low risk | 20/12/2012 |
| DCM | MV008A  | MacConkey HiVeg™ Agar w/o CV, w/ 0.0075% NR and 1.2% Agar          | Low risk | 20/12/2012 |
| DCM | MV083   | MacConkey HiVeg™ Broth Purple w/ BCP                               | Low risk | 22/04/2019 |
| DCM | M298    | MacConkey Sorbitol Agar (Sorbitol Agar)                            | Low risk | 20/12/2012 |
| DCM | M298I   | MacConkey Sorbitol Agar Base                                       | Low risk | 20/12/2012 |
| DCM | M1727R  | MacConkey Sorbitol Agar Base (w/ Rhamnose)                         | Low risk | 25/08/2016 |
| DCM | M1727   | MacConkey Sorbitol Agar Base w/ Rhamnose                           | Low risk | 20/12/2012 |
| DCM | MCD298  | MacConkey Sorbitol HiCynth™ Agar (Sorbitol HiCynth™ Agar)          | Low risk | 28/04/2017 |
| DCM | MV298   | MacConkey Sorbitol HiVeg™ Agar (Sorbitol HiVeg™ Agar)              | Low risk | 20/12/2012 |
| DCM | M2074   | MacConkey Sorbitol Rhamnose Selective Agar Base                    | Low risk | 16/12/2017 |
| DCM | M382    | Malonate Broth                                                     | Low risk | 25/08/2016 |
| DCM | M137    | Malt Extract Agar Base (w/ Mycological Peptone)                    | Low risk | 20/12/2012 |
| DCM | M995    | Malt Extract Agar Base, Modified as per Thom and Church            | Low risk | 20/12/2012 |
| DCM | M255    | Malt Extract Broth Base                                            | Low risk | 20/12/2012 |
| DCM | M1128   | Malt Extract Broth, Modified as per Thom and Church                | Low risk | 20/12/2012 |
| DCM | MV137   | Malt Extract HiVeg™ Agar Base                                      | Low risk | 20/12/2012 |
| DCM | MV995   | Malt Extract HiVeg™ Agar Base, Modified                            | Low risk | 20/12/2012 |
| DCM | MV255   | Malt Extract HiVeg™ Broth Base                                     | Low risk | 20/12/2012 |
| DCM | M1967   | Malt Yeast Agar                                                    | Low risk | 20/12/2012 |
| DCM | M1624   | Mannitol Agar w/Prilion                                            | Low risk | 20/12/2012 |
| DCM | M1071   | Mannitol Lysine Agar                                               | Low risk | 20/12/2012 |
| DCM | MCD1071 | Mannitol Lysine HiCynth™ Agar                                      | Low risk | 25/08/2016 |
| DCM | M1320   | Mannitol Motility Nitrate Medium                                   | Low risk | 20/12/2012 |
| DCM | MV770   | Mannitol Motility Test HiVeg™ Medium                               | Low risk | 20/12/2012 |
| DCM | M770    | Mannitol Motility Test Medium                                      | Low risk | 20/12/2012 |
| DCM | MH118   | Mannitol Salt Agar                                                 | Low risk | 22/04/2019 |



|     |        |                                                                                 |          |            |
|-----|--------|---------------------------------------------------------------------------------|----------|------------|
| DCM | M118   | Mannitol Salt Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | M383   | Mannitol Salt Broth                                                             | Low risk | 20/12/2012 |
| DCM | MCD118 | Mannitol Salt HiCynth™ Agar Base                                                | Low risk | 12/08/2015 |
| DCM | MV118  | Mannitol Salt HiVeg™ Agar Base                                                  | Low risk | 20/12/2012 |
| DCM | MV383  | Mannitol Salt HiVeg™ Broth                                                      | Low risk | 20/12/2012 |
| DCM | M1534  | Mannitol Selenite Broth (Selenite Mannitol Broth) (Twin Pack)                   | Low risk | 20/12/2012 |
| DCM | M1537  | Mannitol Selenite Broth w/Brilliant Green (Twin Pack)                           | Low risk | 04/07/2018 |
| DCM | MV379  | Marine Oxidation Fermentation HiVeg™ Medium                                     | Low risk | 20/12/2012 |
| DCM | M379   | Marine Oxidation Fermentation Medium                                            | Low risk | 20/12/2012 |
| DCM | M2085  | Martin Lewis Agar Base                                                          | Low risk | 22/04/2019 |
| DCM | M1030  | Maximum Recovery Diluent                                                        | Low risk | 22/04/2019 |
| DCM | MV1030 | Maximum Recovery Diluent HiVeg™                                                 | Low risk | 22/04/2019 |
| DCM | M386   | McBride Listeria Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV386  | McBride Listeria HiVeg™ Agar Base                                               | Low risk | 20/12/2012 |
| DCM | M1354  | M-CP Agar Base                                                                  | Low risk | 10/11/2020 |
| DCM | MV1354 | M-CP HiVeg™ Agar Base                                                           | Low risk | 10/11/2020 |
| DCM | M1426  | M-E.coli Broth                                                                  | Low risk | 22/04/2019 |
| DCM | M1594  | MeReSa Agar Base                                                                | Low risk | 20/12/2012 |
| DCM | M1974R | MeReSa Agar Base (HiCrome™ Rapid MRSA Agar)                                     | Low risk | 25/08/2016 |
| DCM | M1812  | M-FC Basal Medium                                                               | Low risk | 10/11/2020 |
| DCM | M199   | Middlebrook 7H10 Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | M196   | Middlebrook 7H10 Agar Base, Special                                             | Low risk | 20/12/2012 |
| DCM | M511   | Middlebrook 7H11 Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | M511A  | Middlebrook 7H11 Agar Base w/o Malachite Green                                  | Low risk | 20/12/2012 |
| DCM | MV511  | Middlebrook 7H11 HiVeg™ Agar Base                                               | Low risk | 20/12/2012 |
| DCM | M197   | Middlebrook 7H9 Agar Base                                                       | Low risk | 20/12/2012 |
| DCM | M198   | Middlebrook 7H9 Broth Base                                                      | Low risk | 20/12/2012 |
| DCM | M259   | Mitis Salivarius Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV259  | Mitis Salivarius HiVeg™ Agar Base                                               | Low risk | 20/12/2012 |
| DCM | M5319  | Modified B.Q. Vaccine Medium                                                    | Low risk | 28/04/2017 |
| DCM | M1150  | Modified Bile Esculin Azide Agar                                                | Low risk | 20/12/2012 |
| DCM | M892   | Modified Buffered Charcoal Agar Base                                            | Low risk | 20/12/2012 |
| DCM | MV892  | Modified Buffered Charcoal HiVeg™ Agar Base                                     | Low risk | 20/12/2012 |
| DCM | M1660  | Modified Cary-Blair Medium                                                      | Low risk | 20/12/2012 |
| DCM | MV460  | Modified CPLM HiVeg™ Medium Base (Trichomonas Modified CPLM HiVeg™ Medium Base) | Low risk | 20/12/2012 |
| DCM | M460   | Modified CPLM Medium Base (Trichomonas Modified CPLM Medium Base)               | Low risk | 20/12/2012 |
| DCM | M1170  | Modified Czapek Dox Agar                                                        | Low risk | 20/12/2012 |
| DCM | M1285  | Modified EC Broth Base                                                          | Low risk | 20/12/2012 |
| DCM | M1445  | Modified Lactobacillus Agar                                                     | Low risk | 20/12/2012 |

|     |        |                                                                      |          |            |
|-----|--------|----------------------------------------------------------------------|----------|------------|
| DCM | M1643  | Modified Lauryl Sulphate Tryptose Broth Base                         | Low risk | 20/12/2012 |
| DCM | M1457R | Modified Listeria Lecithinase Agar Base                              | Low risk | 25/08/2016 |
| DCM | M1897  | Modified Listeria Oxford Agar Base                                   | Low risk | 25/11/2017 |
| DCM | M891   | Modified McBride Listeria Agar Base                                  | Low risk | 20/12/2012 |
| DCM | MV891  | Modified McBride Listeria HiVeg™™ Agar Base                          | Low risk | 20/12/2012 |
| DCM | M1139  | Modified MYP Agar Base                                               | Low risk | 20/12/2012 |
| DCM | MV1139 | Modified MYP HiVeg™ Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M1606  | Modified Protease Agar                                               | Low risk | 20/12/2012 |
| DCM | M1681  | Modified Sabourauds Chloramphenicol Agar                             | Low risk | 20/12/2012 |
| DCM | M1068  | Modified Salt Broth                                                  | Low risk | 20/12/2012 |
| DCM | M2049  | Modified Shieh Agar (LMG Medium 215)                                 | Low risk | 28/04/2017 |
| DCM | M1286I | Modified Soyabean Bile Broth Base                                    | Low risk | 22/04/2019 |
| DCM | M795   | Modified Thayer Martin Medium Base (w/o Supplement)                  | Low risk | 20/12/2012 |
| DCM | M393   | Moeller Decarboxylase Broth Base (Decarboxylase Broth Base, Moeller) | Low risk | 25/08/2016 |
| DCM | MCD393 | Moeller Decarboxylase HiCynth™ Broth Bas                             | Low risk | 25/08/2016 |
| DCM | M246   | Mold Inhibitory Agar, Ulrich                                         | Low risk | 20/12/2012 |
| DCM | M474   | Monsur Medium Base                                                   | Low risk | 20/12/2012 |
| DCM | M1927  | MRS Agar w/ Low pH                                                   | Low risk | 10/11/2020 |
| DCM | M1864  | MSM Broth Base                                                       | Low risk | 20/12/2012 |
| DCM | M173   | Mueller Hinton Agar                                                  | Low risk | 20/12/2012 |
| DCM | M1825  | Mueller Hinton Agar 2% Glucose w/ Methylene blue                     | Low risk | 20/12/2012 |
| DCM | M1825R | Mueller Hinton Agar Modified (As per CLSI)                           | Low risk | 25/08/2016 |
| DCM | M1084  | Mueller Hinton Agar No. 2                                            | Low risk | 20/12/2012 |
| DCM | M5389  | Mueller Hinton Agar w/ 2% NaCL                                       | Low risk | 30/10/2018 |
| DCM | M391   | Mueller Hinton Broth                                                 | Low risk | 20/12/2012 |
| DCM | M1657  | Mueller Hinton Broth No. 2 Control Cations                           | Low risk | 20/12/2012 |
| DCM | MV173  | Mueller Hinton HiVeg™ Agar                                           | Low risk | 20/12/2012 |
| DCM | MV1084 | Mueller Hinton HiVeg™ Agar No. 2                                     | Low risk | 20/12/2012 |
| DCM | MV391  | Mueller Hinton HiVeg™ Broth                                          | Low risk | 20/12/2012 |
| DCM | M1202  | Mueller Tellurite Agar Base                                          | Low risk | 20/12/2012 |
| DCM | M1373  | MUG EC O157 Agar                                                     | Low risk | 16/12/2017 |
| DCM | M1429  | MUG EC O157 Agar, Modified                                           | Low risk | 20/12/2012 |
| DCM | M1080  | MUG MacConkey Agar                                                   | Low risk | 20/12/2012 |
| DCM | MV1080 | MUG MacConkey HiVeg™ Agar                                            | Low risk | 20/12/2012 |
| DCM | M1205  | MUG Sorbitol Agar                                                    | Low risk | 20/12/2012 |
| DCM | M977   | Mutans-Sanguis Agar                                                  | Low risk | 20/12/2012 |
| DCM | M094   | Mycological Agar                                                     | Low risk | 20/12/2012 |
| DCM | M095   | Mycological Agar w/ Low pH                                           | Low risk | 20/12/2012 |
| DCM | M1422  | Mycological Agar, Modified                                           | Low risk | 20/12/2012 |

|     |        |                                                                           |          |            |
|-----|--------|---------------------------------------------------------------------------|----------|------------|
| DCM | M264   | Mycological Broth                                                         | Low risk | 20/12/2012 |
| DCM | M265   | Mycological Broth w/ Low pH                                               | Low risk | 20/12/2012 |
| DCM | M266   | Mycoplasma Agar Base (PPLO Agar Base)                                     | Low risk | 20/12/2012 |
| DCM | M268   | Mycoplasma Broth Base w/ CV (PPLO Broth Base w/ CV)                       | Low risk | 20/12/2012 |
| DCM | M267   | Mycoplasma Broth Base w/o CV (PPLO Broth Base w/o CV)                     | Low risk | 20/12/2012 |
| DCM | M1498  | Mycoplasma Cultivation Broth Base                                         | Low risk | 20/12/2012 |
| DCM | MV266  | Mycoplasma HiVeg™ Agar Base (PPLO HiVeg™ Agar Base)                       | Low risk | 20/12/2012 |
| DCM | MV268  | Mycoplasma HiVeg™ Broth Base w/ CV (PPLO HiVeg™ Broth Base w/ CV)         | Low risk | 20/12/2012 |
| DCM | MV267  | Mycoplasma HiVeg™ Broth Base w/o CV (PPLO HiVeg™ Broth Base w/o CV)       | Low risk | 20/12/2012 |
| DCM | MV624  | Mycoplasma Synoviae HiVeg™ Medium Base                                    | Low risk | 20/12/2012 |
| DCM | M624   | Mycoplasma Synoviae Medium Base                                           | Low risk | 20/12/2012 |
| DCM | M1374  | Mycoplasma Urogenital Broth Base (Urogenital Mycoplasma Broth Base )      | Low risk | 20/12/2012 |
| DCM | M636   | MYP Agar Base (Phenol Red Egg Yolk Polymyxin Agar Base)                   | Low risk | 20/12/2012 |
| DCM | MCD636 | MYP HiCynth™ Agar Base (Phenol Red Egg Yolk Polymyxin HiCynth™ Agar Base) | Low risk | 28/04/2017 |
| DCM | MV636  | MYP HiVeg™ Agar Base (Phenol Red Polymyxin HiVeg™ Agar Base)              | Low risk | 20/12/2012 |
| DCM | MV217  | Nickerson HiVeg™ Medium (Bi.G.G.Y. HiVeg™ Agar)                           | Low risk | 20/12/2012 |
| DCM | M217   | Nickerson Medium (Bi.G.G.Y. Agar)                                         | Low risk | 20/12/2012 |
| DCM | M072   | Nitrate Agar                                                              | Low risk | 10/11/2020 |
| DCM | MV072  | Nitrate HiVeg™ Agar                                                       | Low risk | 10/11/2020 |
| DCM | M681   | NNN Modified Medium (Twin Pack)                                           | Low risk | 10/11/2020 |
| DCM | M001   | Nutrient Agar                                                             | Low risk | 20/12/2012 |
| DCM | M001A  | Nutrient Agar                                                             | Low risk | 20/12/2012 |
| DCM | M087   | Nutrient Agar 1.5%                                                        | Low risk | 20/12/2012 |
| DCM | M1269  | Nutrient Agar No.2                                                        | Low risk | 20/12/2012 |
| DCM | M012   | Nutrient Agar w/ 1% Peptone                                               | Low risk | 20/12/2012 |
| DCM | M561   | Nutrient Agar, pH 6.8                                                     | Low risk | 20/12/2012 |
| DCM | M002   | Nutrient Broth                                                            | Low risk | 20/12/2012 |
| DCM | M1362  | Nutrient Broth No. 2                                                      | Low risk | 20/12/2012 |
| DCM | M1902  | Nutrient Broth No.3                                                       | Low risk | 20/12/2012 |
| DCM | M060   | Nutrient Gelatin                                                          | Low risk | 20/12/2012 |
| DCM | MCD001 | Nutrient HiCynth™ Agar                                                    | Low risk | 12/08/2015 |
| DCM | MCD002 | Nutrient HiCynth™ Broth                                                   | Low risk | 12/08/2015 |
| DCM | MV001  | Nutrient HiVeg™ Agar                                                      | Low risk | 20/12/2012 |
| DCM | MV087  | Nutrient HiVeg™ Agar 1.5%                                                 | Low risk | 20/12/2012 |
| DCM | MV1269 | Nutrient HiVeg™ Agar No.2                                                 | Low risk | 20/12/2012 |
| DCM | MV012  | Nutrient HiVeg™ Agar w/ 1% HiVeg™ Peptone                                 | Low risk | 20/12/2012 |
| DCM | MV561  | Nutrient HiVeg™ Agar, pH 6.8                                              | Low risk | 20/12/2012 |

|     |        |                                                                                 |          |            |
|-----|--------|---------------------------------------------------------------------------------|----------|------------|
| DCM | MV002  | Nutrient HiVeg™ Broth                                                           | Low risk | 20/12/2012 |
| DCM | M1348  | NYC Agar Base                                                                   | Low risk | 20/12/2012 |
| DCM | MCD395 | OF Basal HiCynth™ Medium                                                        | Low risk | 25/08/2016 |
| DCM | MV395  | OF Basal HiVeg™ Medium                                                          | Low risk | 20/12/2012 |
| DCM | M395   | OF Basal Medium                                                                 | Low risk | 20/12/2012 |
| DCM | M1811  | OFBBL Agar Base (Oxidation Fermentation Polymyxin Bacitracin Lactose Agar Base) | Low risk | 20/12/2012 |
| DCM | M1930  | ONPG BROTH                                                                      | Low risk | 20/12/2012 |
| DCM | M933   | Orange Serum Agar                                                               | Low risk | 22/04/2019 |
| DCM | MV933  | Orange SerumHiVeg™ Agar                                                         | Low risk | 22/04/2019 |
| DCM | M1454  | Oxacillin Resistance Screening Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M1390  | Pagano Levin Base                                                               | Low risk | 20/12/2012 |
| DCM | M867   | Peizer TB Medium Base                                                           | Low risk | 20/12/2012 |
| DCM | M1207  | Pepted M Broth                                                                  | Low risk | 20/12/2012 |
| DCM | M028   | Peptone Water                                                                   | Low risk | 20/12/2012 |
| DCM | MCD837 | Perfringens HiCynth™ Agar Base (T.S.C/S.F.P HiCynth™ Agar Base)                 | Low risk | 28/04/2017 |
| DCM | MV837  | Perfringens HiVeg™ Agar Base (T.S.C/S.F.P HiCynth™ Agar Base)                   | Low risk | 28/04/2017 |
| DCM | M269A  | Phenylethanol Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | M269   | Phenylethyl Alcohol Agar Base                                                   | Low risk | 20/12/2012 |
| DCM | MV269  | Phenylethyl Alcohol HiVeg™ Agar Base                                            | Low risk | 20/12/2012 |
| DCM | M540   | Phenylethyl Blood Agar Base (Anaerobic)                                         | Low risk | 20/12/2012 |
| DCM | M1866  | Phosphate Buffered Saline (PBS) pH 7.4                                          | Low risk | 22/04/2019 |
| DCM | M519   | Pike Streptococcal Broth Base                                                   | Low risk | 20/12/2012 |
| DCM | MV519  | Pike Streptococcal HiVeg™ Broth Base                                            | Low risk | 20/12/2012 |
| DCM | M282   | PKU Test Agar Base                                                              | Low risk | 20/12/2012 |
| DCM | M398   | PKU Test Agar w/ Thienylalanine                                                 | Low risk | 20/12/2012 |
| DCM | M091   | Plate Count Agar (Standard Methods Agar)                                        | Low risk | 28/04/2017 |
| DCM | MCD091 | Plate Count HiCynth™ Agar (Standard Methods HiCynth™ Agar)                      | Low risk | 28/04/2017 |
| DCM | MV091  | Plate Count HiVeg™ Agar (Standard Methods HiVeg™ Agar)                          | Low risk | 28/04/2017 |
| DCM | M574   | Plesiomonas Differential Agar (Inositol Brilliant Green Bile Agar)              | Low risk | 20/12/2012 |
| DCM | MV574  | Plesiomonas Differential HiVeg™ Agar (Inositol Brilliant Green HiVeg™ Agar)     | Low risk | 20/12/2012 |
| DCM | M1446  | PLET Agar Base                                                                  | Low risk | 20/12/2012 |
| DCM | M1451  | PLET Agar Base, Modified                                                        | Low risk | 20/12/2012 |
| DCM | M835   | PNY Medium                                                                      | Low risk | 20/12/2012 |
| DCM | MH096  | Potato Dextrose Agar                                                            | Low risk | 22/04/2019 |
| DCM | M096   | Potato Dextrose Agar                                                            | Low risk | 22/04/2019 |
| DCM | M5391  | PPLO Agar Base                                                                  | Low risk | 30/10/2018 |
| DCM | M1586  | PPLO Modified Broth Base w/o CV                                                 | Low risk | 20/12/2012 |

|     |         |                                                                                   |          |            |
|-----|---------|-----------------------------------------------------------------------------------|----------|------------|
| DCM | M899    | Preston Enrichment Broth Base (Campylobacter Enrichment Broth Base)               | Low risk | 20/12/2012 |
| DCM | MV899   | Preston Enrichment HiVeg™ Broth Base (Campylobacter Enrichment HiVeg™ Broth Base) | Low risk | 20/12/2012 |
| DCM | M956    | Propionibacter Isolation Agar Base                                                | Low risk | 20/12/2012 |
| DCM | M1697   | Proskauer Beck medium                                                             | Low risk | 20/12/2012 |
| DCM | M085    | Pseudomonas Agar Base                                                             | Low risk | 22/04/2019 |
| DCM | MV085   | Pseudomonas HiVeg Agar Base                                                       | Low risk | 22/04/2019 |
| DCM | M406    | Pseudomonas Isolation Agar Base                                                   | Low risk | 20/12/2012 |
| DCM | MCD406  | Pseudomonas Isolation HiCynth™ Agar                                               | Low risk | 25/08/2016 |
| DCM | MV406   | Pseudomonas Isolation HiVeg™ Agar Base                                            | Low risk | 20/12/2012 |
| DCM | M1489   | PYR Agar                                                                          | Low risk | 10/11/2020 |
| DCM | M1743   | R2A Agar, Modified                                                                | Low risk | 22/04/2019 |
| DCM | MV1078  | RajHans HiVeg™ Medium (Salmonella Differential HiVeg™ Agar) (Twin Pack)           | Low risk | 20/12/2012 |
| DCM | M1078   | RajHans Medium (Salmonella Differential Agar) (Twin Pack)                         | Low risk | 20/12/2012 |
| DCM | M1453A  | Rapid HiColiform Broth w/Tryptophan                                               | Low risk | 22/04/2019 |
| DCM | MCD1465 | Rapid HiColiform HiCynth™ Agar                                                    | Low risk | 10/11/2020 |
| DCM | M1465   | Rapid HiColiform™ Agar                                                            | Low risk | 10/11/2020 |
| DCM | MV1465  | Rapid HiColiform™ HiVeg™ Agar                                                     | Low risk | 10/11/2020 |
| DCM | MCD1491 | Rappaport Vassiliadis HiCynth™ Broth                                              | Low risk | 12/08/2015 |
| DCM | M1530   | Rappaport Vassiliadis R10 Medium                                                  | Low risk | 20/12/2012 |
| DCM | MH1491  | Rappaport Vassiliadis Salmonella Enrichment Broth                                 | Low risk | 22/04/2019 |
| DCM | M1491   | Rappaport Vassiliadis Soya Broth (RVS Broth)                                      | Low risk | 20/12/2012 |
| DCM | M1448   | Rappaport Vassiliadis Soyabean Meal Broth (RVSM)                                  | Low risk | 20/12/2012 |
| DCM | MH443   | Reinforced Medium for Clostridia                                                  | Low risk | 22/04/2019 |
| DCM | M1626   | Reuter's Sorbic Acid Agar Base                                                    | Low risk | 20/12/2012 |
| DCM | M459    | Robinson Medium for Entamoeba (Twin Pack)                                         | Low risk | 20/12/2012 |
| DCM | M149    | Robinson's Cooked M Medium (R.C. Medium)                                          | Low risk | 16/12/2017 |
| DCM | M1899   | Rogosa Agar, Modified                                                             | Low risk | 20/12/2012 |
| DCM | M130    | Rogosa SL Agar                                                                    | Low risk | 20/12/2012 |
| DCM | M958    | Rogosa SL Agar w/ 0.15% Bile                                                      | Low risk | 20/12/2012 |
| DCM | M407    | Rogosa SL Broth                                                                   | Low risk | 20/12/2012 |
| DCM | MCD130  | Rogosa SL HiCynth™ Agar                                                           | Low risk | 28/04/2017 |
| DCM | MV130   | Rogosa SL HiVeg™ Agar                                                             | Low risk | 20/12/2012 |
| DCM | MV407   | Rogosa SL HiVeg™ Broth                                                            | Low risk | 20/12/2012 |
| DCM | M842    | Rose Bengal Agar Base                                                             | Low risk | 20/12/2012 |
| DCM | M640    | Rose Bengal Chloramphenicol Agar                                                  | Low risk | 22/04/2019 |
| DCM | MV640   | Rose Bengal Chloramphenicol HiVeg™ Agar                                           | Low risk | 22/04/2019 |
| DCM | M1972   | RPMI 1640 Agar w/ MOPS & 2% Glucose w/o Sodium Bicarbonate (Twin Pack)            | Low risk | 20/12/2012 |
| DCM | MV576   | RS HiVeg Medium Base                                                              | Low risk | 22/04/2019 |

|     |         |                                                                                   |          |            |
|-----|---------|-----------------------------------------------------------------------------------|----------|------------|
| DCM | M576    | RS Medium Base                                                                    | Low risk | 22/04/2019 |
| DCM | M409    | SABHI Agar Base                                                                   | Low risk | 20/12/2012 |
| DCM | MV409   | SABHI HiVeg™ Agar Base                                                            | Low risk | 20/12/2012 |
| DCM | M1744   | Sabouraud Agar Glucose 4%                                                         | Low risk | 20/12/2012 |
| DCM | M1067   | Sabouraud Chloramphenicol Agar                                                    | Low risk | 20/12/2012 |
| DCM | MV1067  | Sabouraud Chloramphenicol HiVeg™ Agar                                             | Low risk | 20/12/2012 |
| DCM | M664    | Sabouraud Cycloheximide Chloramphenicol Agar                                      | Low risk | 20/12/2012 |
| DCM | MV664   | Sabouraud Cycloheximide Chloramphenicol HiVeg™ Agar                               | Low risk | 20/12/2012 |
| DCM | MH063   | Sabouraud Dextrose Agar                                                           | Low risk | 22/04/2019 |
| DCM | M063    | Sabouraud Dextrose Agar                                                           | Low risk | 20/12/2012 |
| DCM | M286    | Sabouraud Dextrose Agar Base, Modified (Dextrose Agar Base, Emmons)               | Low risk | 20/12/2012 |
| DCM | MH033   | Sabouraud Dextrose Broth                                                          | Low risk | 22/04/2019 |
| DCM | M033    | Sabouraud Dextrose Broth (Sabouraud Liquid Medium)                                | Low risk | 20/12/2012 |
| DCM | MCD063  | Sabouraud Dextrose HiCynth™ Agar                                                  | Low risk | 12/08/2015 |
| DCM | MCD033  | Sabouraud Dextrose HiCynth™ Broth                                                 | Low risk | 12/08/2015 |
| DCM | MV063   | Sabouraud Dextrose HiVeg™ Agar                                                    | Low risk | 20/12/2012 |
| DCM | MV286   | Sabouraud Dextrose HiVeg™ Agar Base, Modified (Dextrose HiVeg™ Agar Base, Emmons) | Low risk | 20/12/2012 |
| DCM | MV033   | Sabouraud Dextrose HiVeg™ Broth (Sabouraud Liquid HiVeg™ Medium)                  | Low risk | 20/12/2012 |
| DCM | M1313   | Sabouraud Dextrose Maltose Agar                                                   | Low risk | 20/12/2012 |
| DCM | M1460   | Sabouraud Dextrose Maltose Broth                                                  | Low risk | 20/12/2012 |
| DCM | MV1313  | Sabouraud Dextrose Maltose HiVeg™ Agar                                            | Low risk | 20/12/2012 |
| DCM | MCD013  | Sabouraud Fluid HiCynth™ Medium                                                   | Low risk | 12/08/2015 |
| DCM | M1472   | Sabouraud Glucose Agar Base w/ Antibiotics                                        | Low risk | 20/12/2012 |
| DCM | M062    | Sabouraud Maltose Agar                                                            | Low risk | 20/12/2012 |
| DCM | M064    | Sabouraud Maltose Broth                                                           | Low risk | 20/12/2012 |
| DCM | MV062   | Sabouraud Maltose HiVeg™ Agar                                                     | Low risk | 20/12/2012 |
| DCM | MV064   | Sabouraud Maltose HiVeg™ Broth                                                    | Low risk | 20/12/2012 |
| DCM | M844    | Saccharose Broth                                                                  | Low risk | 20/12/2012 |
| DCM | M1619   | Sakazakii DHL Agar                                                                | Low risk | 20/12/2012 |
| DCM | M942    | Saline Agar                                                                       | Low risk | 20/12/2012 |
| DCM | M1778   | Saline Lysine Decarboxylase Medium                                                | Low risk | 20/12/2012 |
| DCM | M1633   | Salmonella Agar (HiCrome™ RajHans Medium)                                         | Low risk | 20/12/2012 |
| DCM | M1634   | Salmonella Agar, Modified (HiCrome™ RajHans Medium, Modified)                     | Low risk | 20/12/2012 |
| DCM | M573    | Salmonella Agar, ONOZ                                                             | Low risk | 20/12/2012 |
| DCM | M1078   | Salmonella Differential Agar (Twin Pack) (RajHans Medium)                         | Low risk | 20/12/2012 |
| DCM | M1082   | Salmonella Differential Agar, Modified (Twin Pack)                                | Low risk | 20/12/2012 |
| DCM | MCD1078 | Salmonella Differential HiCynth™ Agar (Twin Pack)                                 | Low risk | 25/08/2016 |

|     |        |                                                                         |          |            |
|-----|--------|-------------------------------------------------------------------------|----------|------------|
| DCM | MV1078 | Salmonella Differential HiVeg™ Agar (RajHans HiVeg™ Medium) (Twin Pack) | Low risk | 20/12/2012 |
| DCM | MV1082 | Salmonella Differential HiVeg™ Agar, Modified (Twin Pack)               | Low risk | 20/12/2012 |
| DCM | MV573  | Salmonella HiVeg™ Agar, ONOZ                                            | Low risk | 20/12/2012 |
| DCM | M1767  | Salt Agar, Modified                                                     | Low risk | 20/12/2012 |
| DCM | M1290  | Salt Broth, Modified                                                    | Low risk | 20/12/2012 |
| DCM | M155   | Salt M Broth                                                            | Low risk | 20/12/2012 |
| DCM | M821   | Salt Polymyxin Broth Base                                               | Low risk | 20/12/2012 |
| DCM | MV821  | Salt Polymyxin HiVeg™ Broth Base                                        | Low risk | 20/12/2012 |
| DCM | M1276  | Sauton's Fluid Medium Base                                              | Low risk | 20/12/2012 |
| DCM | M1535  | SBG Enrichment Broth (Twin Pack)                                        | Low risk | 20/12/2012 |
| DCM | M291   | Schaedler Agar                                                          | Low risk | 20/12/2012 |
| DCM | M292   | Schaedler Broth                                                         | Low risk | 20/12/2012 |
| DCM | MV291  | Schaedler HiVeg™ Agar                                                   | Low risk | 20/12/2012 |
| DCM | MV292  | Schaedler HiVeg™ Broth                                                  | Low risk | 20/12/2012 |
| DCM | M1882  | Selective Broth for MRSA                                                | Low risk | 20/12/2012 |
| DCM | M052   | Selenite Broth (Selenite F Broth) (Twin Pack)                           | Low risk | 20/12/2012 |
| DCM | M970   | Selenite Broth Base w/o Biselenite                                      | Low risk | 20/12/2012 |
| DCM | M1079  | Selenite Cystine Broth Base w/o Biselenite                              | Low risk | 20/12/2012 |
| DCM | M1536  | Selenite F Broth w/ Dulcitol (Dulcitol Selenite Broth) (Twin Pack)      | Low risk | 20/12/2012 |
| DCM | M1534  | Selenite Mannitol Broth (Mannitol Selenite Broth) (Twin Pack)           | Low risk | 20/12/2012 |
| DCM | M1321  | Semisolid LM Medium                                                     | Low risk | 20/12/2012 |
| DCM | M1282  | Semisolid Rappaport Vassiliadis Medium, Modified                        | Low risk | 22/04/2019 |
| DCM | M1998  | Semisolid RV Medium w/ 0.9% Agar                                        | Low risk | 25/08/2016 |
| DCM | MV296  | Sensitivity Test HiVeg™ Medium                                          | Low risk | 20/12/2012 |
| DCM | M296   | Sensitivity Test Medium                                                 | Low risk | 20/12/2012 |
| DCM | M1301  | Sheep Blood Agar Base                                                   | Low risk | 20/12/2012 |
| DCM | M1739  | Shepard's Differential Agar Base (A7 Agar Base)                         | Low risk | 20/12/2012 |
| DCM | M411   | Simmons Agar Base                                                       | Low risk | 20/12/2012 |
| DCM | M099   | Simmons Citrate Agar                                                    | Low risk | 20/12/2012 |
| DCM | M099S  | Simmons Citrate Agar                                                    | Low risk | 20/12/2012 |
| DCM | M612A  | Slanetz and Bartley Medium w/o TTC                                      | Low risk | 10/11/2020 |
| DCM | M5296  | SM Tryptone Glucose Glycerin Medium                                     | Low risk | 25/11/2017 |
| DCM | M960   | Smibert's Semisolid Brucella Medium                                     | Low risk | 20/12/2012 |
| DCM | M106   | Snyder Test Agar (B.C.G. - Dextrose Agar)                               | Low risk | 20/12/2012 |
| DCM | MV106  | Snyder Test HiVeg™ Agar (B.C.G. - Dextrose HiVeg™ Agar)                 | Low risk | 20/12/2012 |
| DCM | M767   | Sodium Azide Crystal Violet Blood Agar Base                             | Low risk | 20/12/2012 |
| DCM | M1079B | Sodium Biselenite                                                       | Low risk | 22/04/2019 |
| DCM | M298   | Sorbitol Agar (MacConkey Sorbitol Agar)                                 | Low risk | 20/12/2012 |
| DCM | MV298  | Sorbitol HiVeg™ Agar (MacConkey Sorbitol HiVeg™ Agar)                   | Low risk | 20/12/2012 |



|     |        |                                                                                                        |          |            |
|-----|--------|--------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | M299   | Sorbitol Iron Agar                                                                                     | Low risk | 20/12/2012 |
| DCM | MV299  | Sorbitol Iron HiVeg™ Agar                                                                              | Low risk | 20/12/2012 |
| DCM | M935   | Soya Peptone Yeast Extract Agar                                                                        | Low risk | 20/12/2012 |
| DCM | M1286  | Soyabean Bile Broth Base                                                                               | Low risk | 20/12/2012 |
| DCM | M290   | Soyabean Casein Digest Agar (Tryptone Soya Agar)                                                       | Low risk | 22/04/2019 |
| DCM | M109   | Soyabean Casein Digest Agar w/ Yeast Extract and Hemin (Tryptone Soya Agar w/ Yeast Extract and Hemin) | Low risk | 20/12/2012 |
| DCM | M011   | Soyabean Casein Digest Medium (Tryptone Soya Broth)                                                    | Low risk | 22/04/2019 |
| DCM | M323   | Soyabean Casein Digest Medium w/ 0.1% Agar (Tryptone Soya Broth w/ 0.1% Agar)                          | Low risk | 20/12/2012 |
| DCM | M207   | Soyabean Casein Digest Medium w/ Yeast Extract and Ferric pyrophosphate                                | Low risk | 20/12/2012 |
| DCM | M322   | Soyabean Casein Digest Medium w/o Dextrose (Tryptone SoyaBroth w/o Dextrose)                           | Low risk | 28/04/2017 |
| DCM | MV1286 | Soyabean HiVeg™ Broth Base                                                                             | Low risk | 20/12/2012 |
| DCM | MV011  | Soyabean HiVeg™ Medium                                                                                 | Low risk | 22/04/2019 |
| DCM | MV323  | Soyabean HiVeg™ Medium w/ 0.1% Agar (Tryptone Soya HiVeg™ Broth w/ 0.1% Agar)                          | Low risk | 20/12/2012 |
| DCM | MV207  | Soyabean HiVeg™ Medium w/ Yeast Extract and Ferric pyrophosphate                                       | Low risk | 20/12/2012 |
| DCM | MV290  | SoyabeanHiVeg™ Agar                                                                                    | Low risk | 22/04/2019 |
| DCM | MH011  | Soybean Casein Digest Medium (Casein Soybean Digest Broth)                                             | Low risk | 22/04/2019 |
| DCM | MH290  | Soybean-Casein Digest Agar (Casein Soyabean Digest Agar)                                               | Low risk | 22/04/2019 |
| DCM | M211   | Special Infusion Agar (BHI Agar)                                                                       | Low risk | 20/12/2012 |
| DCM | MV211  | Special Infusion Agar, HiVeg™ (BHI Agar, HiVeg™)                                                       | Low risk | 20/12/2012 |
| DCM | M1613  | Special YM Medium                                                                                      | Low risk | 20/12/2012 |
| DCM | M300   | Specimen Preservative Medium Base (SP Hajna)                                                           | Low risk | 20/12/2012 |
| DCM | M445   | Spirit Blue Agar                                                                                       | Low risk | 20/12/2012 |
| DCM | MV445  | Spirit Blue HiVeg™ Agar                                                                                | Low risk | 20/12/2012 |
| DCM | M412   | Spirolate Broth, OMATA                                                                                 | Low risk | 20/12/2012 |
| DCM | MV412  | Spirolate HiVeg™ Broth, OMATA                                                                          | Low risk | 20/12/2012 |
| DCM | MCD108 | SS HiCynth™ Agar (Salmonella Shigella HiCynth™ Agar)                                                   | Low risk | 12/08/2015 |
| DCM | M108   | SS Agar (Salmonella Shigella Agar)                                                                     | Low risk | 20/12/2012 |
| DCM | M108D  | SS Agar (Salmonella Shigella Agar)                                                                     | Low risk | 16/12/2017 |
| DCM | M1979R | SS Agar Modified (w/sucrose)                                                                           | Low risk | 25/08/2016 |
| DCM | M1979  | SS Agar w/sucrose                                                                                      | Low risk | 20/12/2012 |
| DCM | M1032  | SS Agar, Modified                                                                                      | Low risk | 20/12/2012 |
| DCM | MV108  | SS HiVeg™ Agar (Salmonella Shigella HiVeg™ Agar)                                                       | Low risk | 20/12/2012 |
| DCM | M1959  | SS Selective Agar, Improved                                                                            | Low risk | 20/12/2012 |
| DCM | M1703  | SSDC agar                                                                                              | Low risk | 20/12/2012 |
| DCM | M1608  | β-Streptococcus Selective Agar Base                                                                    | Low risk | 20/12/2012 |
| DCM | M675   | Staib's Medium (Bird Seed Agar)                                                                        | Low risk | 20/12/2012 |
| DCM | M883   | Standard Infusion Agar                                                                                 | Low risk | 20/12/2012 |

|     |        |                                                                                     |          |            |
|-----|--------|-------------------------------------------------------------------------------------|----------|------------|
| DCM | MV883  | Standard Infusion Agar, HiVeg™                                                      | Low risk | 20/12/2012 |
| DCM | M116   | Standard Nutrient Broth (H.S. Vaccine Medium)                                       | Low risk | 20/12/2012 |
| DCM | MV116  | Standard Nutrient HiVeg™ Broth (H.S. Vaccine HiVeg™ Medium)                         | Low risk | 20/12/2012 |
| DCM | M578   | Standard Staphylococcus Broth                                                       | Low risk | 20/12/2012 |
| DCM | MV578  | Standard Staphylococcus HiVeg™ Broth                                                | Low risk | 20/12/2012 |
| DCM | M156   | Staphylococcus Agar No. 110 w/ Azide                                                | Low risk | 20/12/2012 |
| DCM | M521   | Staphylococcus Agar No.110                                                          | Low risk | 20/12/2012 |
| DCM | MV521  | Staphylococcus HiVeg™ Agar No. 110                                                  | Low risk | 20/12/2012 |
| DCM | M1965  | Stenotrophomonas Selective Agar Base                                                | Low risk | 20/12/2012 |
| DCM | M1840R | Streptococcus Agalactiae Selective Agar Base (HiCrome™ Strep B Selective Agar Base) | Low risk | 30/10/2018 |
| DCM | M465   | Streptococcus Enrichment Broth (SE Broth)                                           | Low risk | 20/12/2012 |
| DCM | MV465  | Streptococcus Enrichment HiVeg™ Broth (SE HiVeg™ Broth)                             | Low risk | 20/12/2012 |
| DCM | M304   | Streptococcus Selection Agar                                                        | Low risk | 20/12/2012 |
| DCM | M303   | Streptococcus Selection Broth                                                       | Low risk | 20/12/2012 |
| DCM | MV304  | Streptococcus Selection HiVeg™ Agar                                                 | Low risk | 20/12/2012 |
| DCM | MV303  | Streptococcus Selection HiVeg™ Broth                                                | Low risk | 20/12/2012 |
| DCM | M1735  | Stuart Medium w/o Methylene Blue with Charcoal                                      | Low risk | 20/12/2012 |
| DCM | M306   | Stuart Transport Medium (Transport Medium, Stuart)                                  | Low risk | 20/12/2012 |
| DCM | M1131  | Stuart Transport Medium w/o Methylene Blue                                          | Low risk | 20/12/2012 |
| DCM | M1203  | Stuart Transport Medium w/o Sodium Glycerophosphate                                 | Low risk | 20/12/2012 |
| DCM | M308   | Sulpha Sensitivity Test Agar                                                        | Low risk | 20/12/2012 |
| DCM | MV837  | T.S.C./S.F.P. HiVeg™ Agar Base (Perfringens HiVeg™ Agar Base)                       | Low risk | 20/12/2012 |
| DCM | M100   | TB Broth Base                                                                       | Low risk | 20/12/2012 |
| DCM | M034   | TB Broth Base w/o Tween 80                                                          | Low risk | 20/12/2012 |
| DCM | MV100  | TB HiVeg™ Broth Base                                                                | Low risk | 20/12/2012 |
| DCM | MV034  | TB HiVeg™ Broth Base w/o Tween 80                                                   | Low risk | 20/12/2012 |
| DCM | M189   | TCBS Agar                                                                           | Low risk | 20/12/2012 |
| DCM | M870   | TCBS Agar (Selective)                                                               | Low risk | 20/12/2012 |
| DCM | M870A  | TCBS Agar, Modified                                                                 | Low risk | 20/12/2012 |
| DCM | MCD870 | TCBS HiCynth™ Agar (Selective)                                                      | Low risk | 25/08/2016 |
| DCM | MV189  | TCBS HiVeg™ Agar                                                                    | Low risk | 20/12/2012 |
| DCM | MV870  | TCBS HiVeg™ Agar (Selective)                                                        | Low risk | 20/12/2012 |
| DCM | M529   | Teepol Broth (Twin Pack)                                                            | Low risk | 10/11/2020 |
| DCM | MV529  | Teepol HiVeg™ Broth (Twin Pack)                                                     | Low risk | 10/11/2020 |
| DCM | M1260  | Tellurite Blood Agar Base                                                           | Low risk | 20/12/2012 |
| DCM | M448   | Tellurite Glycine Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | M616   | Tergitol-7 Agar Base                                                                | Low risk | 20/12/2012 |
| DCM | M850   | Tergitol-7 Agar H                                                                   | Low risk | 20/12/2012 |
| DCM | M851   | Tergitol-7 Broth                                                                    | Low risk | 20/12/2012 |

|     |        |                                                                                                                             |          |            |
|-----|--------|-----------------------------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | MV616  | Tergitol-7 HiVeg™ Agar Base                                                                                                 | Low risk | 20/12/2012 |
| DCM | MV850  | Tergitol-7 HiVeg™ Agar H                                                                                                    | Low risk | 20/12/2012 |
| DCM | MV851  | Tergitol-7 HiVeg™ Broth                                                                                                     | Low risk | 20/12/2012 |
| DCM | M032   | Tetrathionate Broth Base (w/o Iodine and BG) (Fluid Tetrathionate Medium w/o Iodine and BG)                                 | Low risk | 20/12/2012 |
| DCM | MV032  | Tetrathionate HiVeg™ Broth Base (w/o Iodine and BG) (Fluid Tetrathionate HiVeg™ Medium w/o Iodine and BG)                   | Low risk | 20/12/2012 |
| DCM | MV413  | Thayer Martin HiVeg™ Medium Base                                                                                            | Low risk | 20/12/2012 |
| DCM | M413   | Thayer Martin Medium Base                                                                                                   | Low risk | 20/12/2012 |
| DCM | M610   | Thiogel Medium                                                                                                              | Low risk | 20/12/2012 |
| DCM | M608   | Thioglycollate Agar                                                                                                         | Low risk | 20/12/2012 |
| DCM | M010   | Thioglycollate Broth, Alternative ( Alternative Thioglycollate Medium)(NIH Thioglycollate Broth)                            | Low risk | 20/12/2012 |
| DCM | MCD010 | Thioglycollate HiCynth™ Broth, Alternative ( Alternative Thioglycollate HiCynth™ Medium)(NIH Thioglycollate HiCynth™ Broth) | Low risk | 12/08/2015 |
| DCM | MV608  | Thioglycollate HiVeg™ Agar                                                                                                  | Low risk | 20/12/2012 |
| DCM | MV010  | Thioglycollate HiVeg™ Broth, Alternative ( Alternative Thioglycollate HiVeg™ Medium)(NIH HiVeg™ Thioglycollate Broth)       | Low risk | 20/12/2012 |
| DCM | MV195  | Thioglycollate HiVeg™ Medium, Linden (Brewer Thioglycollate HiVeg™ Medium, Modified)                                        | Low risk | 20/12/2012 |
| DCM | M979   | Thioglycollate Medium w/ Hemin and Vitamin K                                                                                | Low risk | 20/12/2012 |
| DCM | M195   | Thioglycollate Medium, Linden (Brewer Thioglycollate Medium, Modified)                                                      | Low risk | 20/12/2012 |
| DCM | M853   | Thiol Broth                                                                                                                 | Low risk | 20/12/2012 |
| DCM | MV853  | Thiol HiVeg™ Broth                                                                                                          | Low risk | 20/12/2012 |
| DCM | MV852  | Thiol HiVeg™ Medium                                                                                                         | Low risk | 20/12/2012 |
| DCM | M852   | Thiol Medium                                                                                                                | Low risk | 20/12/2012 |
| DCM | M314   | Tinsdale Agar Base                                                                                                          | Low risk | 20/12/2012 |
| DCM | MV314  | Tinsdale HiVeg™ Agar Base                                                                                                   | Low risk | 20/12/2012 |
| DCM | M313   | Todd Hewitt Broth                                                                                                           | Low risk | 20/12/2012 |
| DCM | MV313  | Todd Hewitt HiVeg™ Broth                                                                                                    | Low risk | 20/12/2012 |
| DCM | M2127  | Todd Hewitt Broth w/colistin & Nalidixic Acid                                                                               | Low risk | 17/06/2021 |
| DCM | M879   | Tomato Juice Agar, Special                                                                                                  | Low risk | 20/12/2012 |
| DCM | MV879  | Tomato Juice HiVeg™ Agar, Special                                                                                           | Low risk | 20/12/2012 |
| DCM | M1149  | Transgrow Medium Base                                                                                                       | Low risk | 20/12/2012 |
| DCM | M315   | Transport Charcoal Medium                                                                                                   | Low risk | 20/12/2012 |
| DCM | M1487  | Transport Liquid Medium                                                                                                     | Low risk | 20/12/2012 |
| DCM | M306   | Transport Medium Stuart (Stuart Transport Medium)                                                                           | Low risk | 20/12/2012 |
| DCM | M202   | Transport Medium w/o Charcoal (Cary - Blair Medium Base)                                                                    | Low risk | 20/12/2012 |
| DCM | M684   | Transport Medium, Amies w/o Charcoal                                                                                        | Low risk | 20/12/2012 |
| DCM | M665   | Trichomonas Agar Base                                                                                                       | Low risk | 20/12/2012 |
| DCM | M1204  | Trichomonas Broth Base No. 2                                                                                                | Low risk | 20/12/2012 |

|     |        |                                                                                      |          |            |
|-----|--------|--------------------------------------------------------------------------------------|----------|------------|
| DCM | M305   | Trichomonas Broth Base, Kupferberg (Kupferberg Trichomonas Broth Base)               | Low risk | 20/12/2012 |
| DCM | MV665  | Trichomonas HiVeg™ Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | MV305  | Trichomonas HiVeg™ Broth Base, Kupferberg (Kupferberg Trichomonas HiVeg™ Broth Base) | Low risk | 20/12/2012 |
| DCM | MV460  | Trichomonas Modified CPLM HiVeg™ Medium Base (Modified CPLM HiVeg™ Medium Base)      | Low risk | 20/12/2012 |
| DCM | M460   | Trichomonas Modified CPLM Medium Base (Modified CPLM Medium Base)                    | Low risk | 20/12/2012 |
| DCM | M531   | Trichophyton Agar-1                                                                  | Low risk | 20/12/2012 |
| DCM | M532   | Trichophyton Agar-2                                                                  | Low risk | 20/12/2012 |
| DCM | M533   | Trichophyton Agar-3                                                                  | Low risk | 20/12/2012 |
| DCM | M534   | Trichophyton Agar-4                                                                  | Low risk | 20/12/2012 |
| DCM | M535   | Trichophyton Agar-5                                                                  | Low risk | 20/12/2012 |
| DCM | M536   | Trichophyton Agar-6                                                                  | Low risk | 20/12/2012 |
| DCM | M152   | Trichophyton Agar-7                                                                  | Low risk | 20/12/2012 |
| DCM | MV531  | Trichophyton HiVeg™ Agar-1                                                           | Low risk | 20/12/2012 |
| DCM | MV532  | Trichophyton HiVeg™ Agar-2                                                           | Low risk | 20/12/2012 |
| DCM | MV533  | Trichophyton HiVeg™ Agar-3                                                           | Low risk | 20/12/2012 |
| DCM | MV534  | Trichophyton HiVeg™ Agar-4                                                           | Low risk | 20/12/2012 |
| DCM | MV535  | Trichophyton HiVeg™ Agar-5                                                           | Low risk | 20/12/2012 |
| DCM | M021   | Triple Sugar Iron Agar                                                               | Low risk | 22/04/2019 |
| DCM | MV021  | Triple Sugar Iron HiVeg™ Agar                                                        | Low risk | 22/04/2019 |
| DCM | M1028  | Tryptic Digest Broth(Field's Tryptic Digest Broth)                                   | Low risk | 20/12/2012 |
| DCM | MV1028 | Tryptic Digest Broth, HiVeg™ (Field's Tryptic Digest Broth, HiVeg™)                  | Low risk | 20/12/2012 |
| DCM | M1591  | Tryptone Bile Glucuronic Agar (TBX Agar)                                             | Low risk | 22/04/2019 |
| DCM | M463   | Tryptone Broth (Tryptone Water)                                                      | Low risk | 22/04/2019 |
| DCM | MV364  | Tryptone Nitrate HiVeg™ Medium (Indole Nitrate HiVeg™ Medium)                        | Low risk | 20/12/2012 |
| DCM | M364   | Tryptone Nitrate Medium (Indole Nitrate Medium)                                      | Low risk | 20/12/2012 |
| DCM | M969   | Tryptone Peptone Glucose Yeast Extract Broth Base w/o Trypsin                        | Low risk | 20/12/2012 |
| DCM | MV969  | Tryptone Peptone Glucose Yeast Extract HiVeg™ Broth Base w/o Trypsin                 | Low risk | 20/12/2012 |
| DCM | M323   | Tryptone Soya Broth w/ 0.1% Agar (Soyabean Casein Digest Medium w/ 0.1% Agar)        | Low risk | 20/12/2012 |
| DCM | MV323  | Tryptone Soya HiVeg™ Broth w/ 0.1% Agar (Soyabean HiVeg™ Medium w/ 0.1% Agar)        | Low risk | 20/12/2012 |
| DCM | M1948  | Tryptone Soya Serum Bacitracin Vancomycin Agar (TSBV)                                | Low risk | 08/12/2017 |
| DCM | M1217  | Tryptone Sucrose Tetrazolium Agar Base (TSTA)                                        | Low risk | 20/12/2012 |
| DCM | M1056  | Tryptone Tellurite Agar Base                                                         | Low risk | 20/12/2012 |
| DCM | MV463  | Tryptone Water, HiVeg™ (Tryptone Broth,HiVeg™)                                       | Low risk | 22/04/2019 |
| DCM | M1975  | Tryptone yeast extract cystine w/sucrose and w/O bacitracin agar (TYCSB)             | Low risk | 20/12/2012 |
| DCM | M2046I | Tryptone Yeast Sodium Sulphite Agar Base                                             | Low risk | 10/11/2020 |

|     |        |                                                                                   |          |            |
|-----|--------|-----------------------------------------------------------------------------------|----------|------------|
| DCM | M538   | Tryptose Agar                                                                     | Low risk | 20/12/2012 |
| DCM | M996   | Tryptose Agar w/ Thiamine HCl                                                     | Low risk | 20/12/2012 |
| DCM | MV996  | Tryptose Agar w/ Thiamine HCl, HiVeg™                                             | Low risk | 20/12/2012 |
| DCM | MV538  | Tryptose Agar, HiVeg™                                                             | Low risk | 20/12/2012 |
| DCM | M097   | Tryptose Blood Agar Base                                                          | Low risk | 20/12/2012 |
| DCM | M450   | Tryptose Blood Agar Base w/ Yeast Extract                                         | Low risk | 20/12/2012 |
| DCM | MV450  | Tryptose Blood Agar Base w/ Yeast Extract, HiVeg™                                 | Low risk | 20/12/2012 |
| DCM | MV097  | Tryptose Blood Agar Base, HiVeg™                                                  | Low risk | 20/12/2012 |
| DCM | M177   | Tryptose Broth                                                                    | Low risk | 20/12/2012 |
| DCM | M997   | Tryptose Broth w/ Thiamine HCl                                                    | Low risk | 20/12/2012 |
| DCM | MV177  | Tryptose Broth, HiVeg™                                                            | Low risk | 20/12/2012 |
| DCM | M5393  | Tryptose Phosphate Broth                                                          | Low risk | 30/10/2018 |
| DCM | M093   | Tryptose Phosphate Broth                                                          | Low risk | 20/12/2012 |
| DCM | MV093  | Tryptose Phosphate Broth, HiVeg™                                                  | Low risk | 20/12/2012 |
| DCM | M1532  | Tryptose Phosphate Broth, Modified                                                | Low risk | 20/12/2012 |
| DCM | M093G  | Tryptose Phosphate Broth, Sterile                                                 | Low risk | 22/04/2019 |
| DCM | M2060  | Tryptose Serum Agar Base                                                          | Low risk | 10/11/2020 |
| DCM | M2019  | Tryptose Serum Broth Base(Modified Newin                                          | Low risk | 25/08/2016 |
| DCM | M837   | Tryptose Sulphite Cycloserine (T.S.C. / S.F.P.) Agar Base (Perfringens Agar Base) | Low risk | 20/12/2012 |
| DCM | M1780  | TS Saline Agar (Triple Sugar Saline Iron Agar)                                    | Low risk | 20/12/2012 |
| DCM | M2016  | TSB w/6.5% NaCl                                                                   | Low risk | 25/08/2016 |
| DCM | M1220  | TTC Broth Base (Triclosan Ticarcillin Chlorate Broth)                             | Low risk | 20/12/2012 |
| DCM | MV1220 | TTC HiVeg™ Broth Base                                                             | Low risk | 20/12/2012 |
| DCM | M1912  | Tween Esterase Test Agar Base                                                     | Low risk | 20/12/2012 |
| DCM | M1817  | Universal Fastidious Culture Agar                                                 | Low risk | 20/12/2012 |
| DCM | M1818  | Universal Fastidious Culture Broth                                                | Low risk | 10/11/2020 |
| DCM | M112S  | Urea Agar Base (Christensen)                                                      | Low risk | 20/12/2012 |
| DCM | M112   | Urea Agar Base (Christensen) (Autoclavable)                                       | Low risk | 20/12/2012 |
| DCM | M112A  | Urea Agar Base (Filter Sterilizable) (w/o Agar)                                   | Low risk | 20/12/2012 |
| DCM | M112I  | Urea Agar Base, Christensen                                                       | Low risk | 20/12/2012 |
| DCM | M111A  | Urea Broth (Filter Sterilizable)                                                  | Low risk | 20/12/2012 |
| DCM | M111   | Urea Broth Base (Diagnostic Stuart's Urea Broth Base)                             | Low risk | 20/12/2012 |
| DCM | MV112  | Urea HiVeg™ Agar Base (Christensen) (Autoclavable)                                | Low risk | 20/12/2012 |
| DCM | M1784I | Urea Indole Broth, Modified                                                       | Low risk | 20/12/2012 |
| DCM | M1784  | Urea Indole Medium                                                                | Low risk | 20/12/2012 |
| DCM | M328   | V Infusion Agar                                                                   | Low risk | 20/12/2012 |
| DCM | M329   | V Infusion Broth                                                                  | Low risk | 20/12/2012 |
| DCM | M1057  | Vaginalis Agar Base                                                               | Low risk | 20/12/2012 |
| DCM | M1763  | Vancomycin Resistant Enterococci (VRE) Agar Base                                  | Low risk | 20/12/2012 |

|     |        |                                                                     |          |            |
|-----|--------|---------------------------------------------------------------------|----------|------------|
| DCM | M1762  | Vancomycin Resistant Enterococci (VRE) Broth Base                   | Low risk | 20/12/2012 |
| DCM | M416   | Veillonella Agar Base                                               | Low risk | 20/12/2012 |
| DCM | MV416  | Veillonella HiVeg™ Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M820   | Vibrio Agar                                                         | Low risk | 20/12/2012 |
| DCM | MV820  | Vibrio HiVeg™ Agar                                                  | Low risk | 20/12/2012 |
| DCM | M049   | Violet Red Bile Agar                                                | Low risk | 28/04/2017 |
| DCM | M049A  | Violet Red Bile Agar                                                | Low risk | 16/12/2017 |
| DCM | M1684  | Violet Red Bile Agar w/ Glucose and Lactose                         | Low risk | 22/04/2019 |
| DCM | MH581  | Violet Red Bile Glucose Agar                                        | Low risk | 22/04/2019 |
| DCM | M581   | Violet Red Bile Glucose Agar w/o Lactose                            | Low risk | 25/11/2017 |
| DCM | MCD581 | Violet Red Bile Glucose HiCynth™ Agar w/o Lactose                   | Low risk | 04/07/2018 |
| DCM | MV581  | Violet Red Bile Glucose HiVeg™ Agar w/o Lactose                     | Low risk | 04/07/2018 |
| DCM | MCD049 | Violet Red Bile HiCynth™ Agar                                       | Low risk | 28/04/2017 |
| DCM | MV049  | Violet Red HiVeg™ Agar                                              | Low risk | 28/04/2017 |
| DCM | MCD023 | Vogel Johnson HiCynth™ Agar Base w/o Tellurite (V.J. HiCynth™ Agar) | Low risk | 12/08/2015 |
| DCM | M023   | Vogel-Johnson Agar Base w/o Tellurite (V.J. Agar)                   | Low risk | 20/12/2012 |
| DCM | MU023  | Vogel-Johnson Agar Medium                                           | Low risk | 20/12/2012 |
| DCM | MV023  | Vogel-Johnson HiVeg™ Agar Base w/o Tellurite (V. J. HiVeg™ Agar)    | Low risk | 20/12/2012 |
| DCM | MV662  | VP HiVeg™ Medium                                                    | Low risk | 20/12/2012 |
| DCM | M662   | VP Medium                                                           | Low risk | 20/12/2012 |
| DCM | M626   | Wagatsuma Agar Base                                                 | Low risk | 20/12/2012 |
| DCM | MV626  | Wagatsuma HiVeg™ Agar Base                                          | Low risk | 20/12/2012 |
| DCM | M1059  | Wayne Sulphatase Agar Base                                          | Low risk | 20/12/2012 |
| DCM | M832   | Wilkins Chalgren Anaerobic Agar Base                                | Low risk | 20/12/2012 |
| DCM | M863   | Wilkins Chalgren Anaerobic Broth Base                               | Low risk | 20/12/2012 |
| DCM | MV832  | Wilkins Chalgren Anaerobic HiVeg™ Agar Base                         | Low risk | 20/12/2012 |
| DCM | MV863  | Wilkins Chalgren Anaerobic HiVeg™ Broth Base                        | Low risk | 25/08/2016 |
| DCM | M331   | Wilson Blair Agar Base                                              | Low risk | 20/12/2012 |
| DCM | M332   | Wilson Blair Agar w/ BG                                             | Low risk | 20/12/2012 |
| DCM | MV331  | Wilson Blair HiVeg™ Agar Base                                       | Low risk | 20/12/2012 |
| DCM | MV332  | Wilson Blair HiVeg™ Agar w/ BG                                      | Low risk | 20/12/2012 |
| DCM | MV031  | XLD HiVeg™ Agar                                                     | Low risk | 20/12/2012 |
| DCM | M1147  | XLT4 Agar Base                                                      | Low risk | 20/12/2012 |
| DCM | MV1147 | XLT4 HiVeg™ Agar Base                                               | Low risk | 20/12/2012 |
| DCM | M336   | Xylose Lysine Agar Base                                             | Low risk | 20/12/2012 |
| DCM | M031   | Xylose Lysine Deoxycholate Agar (XLD Agar)                          | Low risk | 20/12/2012 |
| DCM | MCD031 | Xylose Lysine Deoxycholate HiCynth™ Agar (XLD HiCynth™ Agar)        | Low risk | 12/08/2015 |
| DCM | MH031  | Xylose-Lysine-Deoxycholate Agar                                     | Low risk | 22/04/2019 |

|     |            |                                                                     |          |            |
|-----|------------|---------------------------------------------------------------------|----------|------------|
| DCM | M424       | Yeast Malt Agar (YM Agar) (ISP Medium No. 2)                        | Low risk | 22/04/2019 |
| DCM | M425       | Yeast Malt Broth (YM Broth)                                         | Low risk | 20/12/2012 |
| DCM | MV424      | Yeast Malt HiVeg™ Agar (YM HiVeg™ Agar)                             | Low risk | 22/04/2019 |
| DCM | MV425      | Yeast Malt HiVeg™ Broth (YM HiVeg™ Broth)                           | Low risk | 20/12/2012 |
| DCM | M1421      | YEP Agar                                                            | Low risk | 30/10/2018 |
| DCM | M1823      | YEP Agar, Modified                                                  | Low risk | 10/11/2020 |
| DCM | M1367      | Yersinia Enrichment Broth Base                                      | Low risk | 20/12/2012 |
| DCM | M843       | Yersinia Selective Agar Base                                        | Low risk | 20/12/2012 |
| DCM | M1861      | Yersinia Selective Broth Base                                       | Low risk | 20/12/2012 |
| DCM | MV843      | Yersinia Selective HiVeg™ Agar Base                                 | Low risk | 20/12/2012 |
| DCM | EC211CR    | BHI Agar (HiEncap™ water-soluble capsule)                           | Low risk | 25/08/2016 |
| DCM | EC210CR    | BHI Broth (HiEncap™ water-soluble capsule)                          | Low risk | 25/08/2016 |
| DCM | EC073DR    | Blood Agar Base (HiEncap™ water-soluble capsule)                    | Low risk | 25/08/2016 |
| DCM | EC1297ACR  | HiCrome™ Candida Differential Agar (HiEncap™ water-soluble capsule) | Low risk | 25/08/2016 |
| DCM | EC1297ARDR | HiCrome™ Candida Differential Agar (HiEncap™ water-soluble capsule) | Low risk | 25/08/2016 |
| DCM | EC1297ADR  | HiCrome™ Candida Differential Agar (HiEncap™ water-soluble capsule) | Low risk | 25/08/2016 |
| DCM | EC1674CCLR | HiCrome™ MeReSa Agar Base (HiEncap™ water-soluble capsule)          | Low risk | 25/08/2016 |
| DCM | EC1353CCLR | HiCrome™ UTI Agar (HiEncap™ water-soluble capsule)                  | Low risk | 25/08/2016 |
| DCM | EC1353CR   | HiCrome™ UTI Agar (HiEncap™ water-soluble capsule)                  | Low risk | 25/08/2016 |
| DCM | EC1353DR   | HiCrome™ UTI Agar (HiEncap™ water-soluble capsule)                  | Low risk | 25/08/2016 |
| DCM | EC211CCL   | HiEncap™ BHI Agar (HiEncap™ Special Infusion Agar)                  | Low risk | 12/08/2015 |
| DCM | EC210D     | HiEncap™ BHI Broth                                                  | Low risk | 12/08/2015 |
| DCM | EC210CCL   | HiEncap™ BHI Broth                                                  | Low risk | 12/08/2015 |
| DCM | EC073D     | HiEncap™ Blood Agar Base                                            | Low risk | 12/08/2015 |
| DCM | EC073CCL   | HiEncap™ Blood Agar Base                                            | Low risk | 12/08/2015 |
| DCM | EC081CCL   | HiEncap™ MacConkey Agar w/0.15% Bile Salt                           | Low risk | 12/08/2015 |
| DCM | EC082ACCL  | HiEncap™ MacConkey Agar w/o CV, NaCl w/Bile Salts                   | Low risk | 12/08/2015 |
| DCM | EC173CCL   | HiEncap™ Mueller Hinton Agar                                        | Low risk | 12/08/2015 |
| DCM | EC173D     | HiEncap™ Mueller Hinton Agar                                        | Low risk | 12/08/2015 |
| DCM | EC1084CCL  | HiEncap™ Mueller Hinton Agar No.2                                   | Low risk | 12/08/2015 |
| DCM | EC1084D    | HiEncap™ Mueller Hinton Agar No.2                                   | Low risk | 12/08/2015 |
| DCM | EC391CCL   | HiEncap™ Mueller Hinton Broth                                       | Low risk | 12/08/2015 |
| DCM | EC391D     | HiEncap™ Mueller Hinton Broth                                       | Low risk | 12/08/2015 |
| DCM | EC001DR    | HiEncap™ Nutrient Agar                                              | Low risk | 25/08/2016 |
| DCM | EC001CCL   | HiEncap™ Nutrient Agar                                              | Low risk | 12/08/2015 |
| DCM | EC001D     | HiEncap™ Nutrient Agar                                              | Low risk | 12/08/2015 |
| DCM | EC002CCL   | HiEncap™ Nutrient Broth                                             | Low risk | 12/08/2015 |
| DCM | EC002D     | HiEncap™ Nutrient Broth                                             | Low risk | 12/08/2015 |



|     |           |                                                                      |          |            |
|-----|-----------|----------------------------------------------------------------------|----------|------------|
| DCM | EC002M    | HiEncap™ Nutrient Broth                                              | Low risk | 12/08/2015 |
| DCM | EC091D    | HiEncap™ Plate Count Agar                                            | Low risk | 16/12/2017 |
| DCM | EC091CCL  | HiEncap™ Plate Count Agar                                            | Low risk | 16/12/2017 |
| DCM | EC063CCL  | HiEncap™ Sabouraud Dextrose Agar                                     | Low risk | 12/08/2015 |
| DCM | EC033CCL  | HiEncap™ Sabouraud Dextrose Broth                                    | Low risk | 12/08/2015 |
| DCM | EC033D    | HiEncap™ Sabouraud Dextrose Broth                                    | Low risk | 12/08/2015 |
| DCM | EC173DR   | Mueller Hinton Agar (HiEncap™ water-soluble capsule)                 | Low risk | 25/08/2016 |
| DCM | EC1084DR  | Mueller Hinton Agar No.2 (HiEncap™ water-soluble capsule)            | Low risk | 25/08/2016 |
| DCM | EC391CR   | Mueller Hinton Broth (HiEncap™ water-soluble capsule)                | Low risk | 25/08/2016 |
| DCM | EC002CR   | Nutrient Broth (HiEncap™ water-soluble capsule)                      | Low risk | 25/08/2016 |
| DCM | EC063CCLR | Sabouraud Dextrose Agar (HiEncap™ water-soluble capsule)             | Low risk | 25/08/2016 |
| DCM | EC033CR   | Sabouraud Dextrose Broth (HiEncap™ water-soluble capsule)            | Low risk | 25/08/2016 |
| DCM | EC031CCLR | Xylose Deoxycholate Agar (XLD Agar) (HiEncap™ water-soluble capsule) | Low risk | 25/08/2016 |
| DCM | GM618     | Alkaline Peptone Water, Granulated                                   | Low Risk | 12/08/2015 |
| DCM | GM491     | Anaerobic Agar (Brewer) , Granulated                                 | Low Risk | 12/08/2015 |
| DCM | GM672     | Asparagine Broth (Coccidioidin and Histoplasmin Broth) , Granulated  | Low Risk | 12/08/2015 |
| DCM | GM043     | Baird Parker Agar Base, Granulated                                   | Low Risk | 12/08/2015 |
| DCM | GM1091    | Baird Staphylococcus Enrichment Broth Base, Granulated               | Low risk | 10/11/2020 |
| DCM | GM211     | BHI Agar (Special Infusion Agar) , Granulated                        | Low Risk | 12/08/2015 |
| DCM | GM210     | BHI Broth, Granulated                                                | Low Risk | 12/08/2015 |
| DCM | GM217     | Bi.G.G.Y. Agar (Nickerson Medium) , Granulated                       | Low Risk | 12/08/2015 |
| DCM | GM027     | Bismuth Sulphite Agar, Granulated                                    | Low Risk | 12/08/2015 |
| DCM | GM073     | Blood Agar Base (Infusion Agar) , Granulated                         | Low Risk | 12/08/2015 |
| DCM | GM073R    | Blood Agar Base (Infusion Agar) w/o Blood, Granulated                | Low risk | 25/08/2016 |
| DCM | GM834A    | Blood Agar Base No. 2 w/ 1.2% Agar, Granulated                       | Low Risk | 12/08/2015 |
| DCM | GM016A    | Brilliant Green Agar Base w/ 1.2% Agar, Granulated                   | Low Risk | 12/08/2015 |
| DCM | GM971     | Brilliant Green Agar Base w/ Phosphates, Granulated                  | Low risk | 20/12/2012 |
| DCM | GM074     | Brucella Agar Base, Granulated                                       | Low Risk | 12/08/2015 |
| DCM | GM614     | Buffered Peptone Water , Granulated                                  | Low risk | 22/04/2019 |
| DCM | GM1275    | Buffered Peptone Water w/ NaCl, Granulated                           | Low Risk | 12/08/2015 |
| DCM | GMH1275   | Buffered Sodium Chloride-Peptone Solution pH 7.0 , Granulated        | Low risk | 22/04/2019 |
| DCM | GM792     | C.L.E.D. Agar w/ Bromo Thymol Blue, Granulated                       | Low Risk | 12/08/2015 |
| DCM | GMH024    | Cetrimide Agar , Granulated                                          | Low risk | 22/04/2019 |
| DCM | GM024     | Cetrimide Agar Base, Granulated                                      | Low Risk | 12/08/2015 |
| DCM | GM497     | Clostridial Agar, Granulated                                         | Low risk | 25/08/2016 |
| DCM | GMH144    | Columbia Agar , Granulated                                           | Low risk | 22/04/2019 |
| DCM | GM144     | Columbia Blood Agar Base, Granulated                                 | Low Risk | 12/08/2015 |
| DCM | GM188     | D.T.M. Agar Base (Dermatophyte Test Agar Base) , Granulated          | Low Risk | 12/08/2015 |

|     |         |                                                                                                        |          |            |
|-----|---------|--------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | GM030   | Deoxycholate Agar, Granulated                                                                          | Low Risk | 12/08/2015 |
| DCM | GM065   | Deoxycholate Citrate Agar, Granulated                                                                  | Low Risk | 12/08/2015 |
| DCM | GM286   | Dextrose Agar Base, Emmons (Sabouraud Dextrose Agar Base, Modified) , Granulated                       | Low Risk | 12/08/2015 |
| DCM | GM1129  | Dichloran Glycerol Medium Base , Granulated                                                            | Low risk | 22/04/2019 |
| DCM | GM1603  | Differential Reinforced Clostridial Agar, Granulated                                                   | Low risk | 10/11/2020 |
| DCM | GM127   | EC Broth, Granulated                                                                                   | Low Risk | 12/08/2015 |
| DCM | GM317   | EMB Agar, Granulated                                                                                   | Low Risk | 12/08/2015 |
| DCM | GM022   | EMB Agar, Levine, Granulated                                                                           | Low Risk | 12/08/2015 |
| DCM | GM029   | Endo Agar, Granulated                                                                                  | Low Risk | 12/08/2015 |
| DCM | GM029R  | Endo Agar, Special                                                                                     | Low risk | 25/08/2016 |
| DCM | GM1075  | Endo Agar, Modified, Granulated                                                                        | Low Risk | 12/08/2015 |
| DCM | GMH287  | Enterobacteria Enrichment Broth, Mossel , Granulated                                                   | Low risk | 22/04/2019 |
| DCM | GM013   | Fluid Sabouraud Medium (Sabouraud Medium, Fluid) , Granulated                                          | Low Risk | 12/08/2015 |
| DCM | GM025   | Fluid Selenite Cystine Medium (Selenite Cystine Broth) (Twin Pack) , Granulated                        | Low Risk | 12/08/2015 |
| DCM | GM032   | Fluid Tetrathionate Medium w/o Iodine and BG (Tetrathionate Broth Base w/o Iodine and BG) , Granulated | Low Risk | 12/08/2015 |
| DCM | GM009   | Fluid Thioglycollate medium (Thioglycollate medium Fluid) , Granulated                                 | Low risk | 22/04/2019 |
| DCM | GM434   | GC Agar Base, Granulated                                                                               | Low Risk | 04/07/2018 |
| DCM | GM070   | Glucose Phosphate Broth (Buffered Glucose Broth) , Granulated                                          | Low risk | 12/08/2015 |
| DCM | GM070R  | Glucose Phosphate Broth (Buffered Glucose Broth) , Granulated                                          | Low risk | 04/07/2018 |
| DCM | GMV070  | Glucose Phosphate HiVeg™ Broth (Buffered Glucose HiVeg™ Broth) , Granulated                            | Low risk | 20/12/2012 |
| DCM | GM242   | GN Broth, Hajna, Granulated                                                                            | Low Risk | 12/08/2015 |
| DCM | GM467   | Hektoen Enteric Agar, Granulated                                                                       | Low Risk | 12/08/2015 |
| DCM | GM1297A | HiCrome™ Candida Differential Agar, Granulated                                                         | Low Risk | 12/08/2015 |
| DCM | GM1353  | HiCrome™ UTI Agar, Granulated                                                                          | Low Risk | 12/08/2015 |
| DCM | GM1007  | KF Streptococcus Agar Base w/ BCP, Granulated                                                          | Low Risk | 12/08/2015 |
| DCM | GM1232  | Kimmig Fungi Agar Base, Granulated                                                                     | Low Risk | 12/08/2015 |
| DCM | GM1543  | King's Medium A Base, Granulated                                                                       | Low Risk | 12/08/2015 |
| DCM | GM078   | Kligler Iron Agar, Granulated                                                                          | Low Risk | 12/08/2015 |
| DCM | GM641   | Lactobacillus MRS Agar (MRS Agar) , Granulated                                                         | Low Risk | 12/08/2015 |
| DCM | GM369   | Lactobacillus MRS Broth (MRS Broth) , Granulated                                                       | Low Risk | 12/08/2015 |
| DCM | GM1003  | Lactose Broth , Granulated                                                                             | Low risk | 22/04/2019 |
| DCM | GM080   | Lauryl Sulphate Broth (Lauryl Tryptose Broth) , Granulated                                             | Low risk | 22/04/2019 |
| DCM | GM1380  | Leifson Agar, Granulated                                                                               | Low Risk | 12/08/2015 |
| DCM | GM890A  | Listeria Enrichment Medium Base (UVM) , Granulated                                                     | Low Risk | 12/08/2015 |
| DCM | GM1064  | Listeria Identification Agar Base (PALCAM) , Granulated                                                | Low risk | 22/04/2019 |
| DCM | GM1090  | Listeria Identification Broth Base (PALCAM) , Granulated                                               | Low risk | 22/04/2019 |

|     |         |                                                                                                         |          |            |
|-----|---------|---------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | GM1145  | Listeria Oxford Medium Base, Granulated                                                                 | Low Risk | 12/08/2015 |
| DCM | GM889   | Listeria Selective Broth Base, Granulated                                                               | Low Risk | 12/08/2015 |
| DCM | GM1865  | Listeria Selective Enrichment Broth , Granulated                                                        | Low risk | 22/04/2019 |
| DCM | GM1001  | LM Agar, Granulated                                                                                     | Low Risk | 12/08/2015 |
| DCM | GM162   | Lowenstein Jensen Medium Base (L.J. Medium) , Granulated                                                | Low Risk | 12/08/2015 |
| DCM | GMH081  | MacConkey Agar , Granulated                                                                             | Low risk | 22/04/2019 |
| DCM | GM081   | MacConkey Agar w/0.15% Bile Salts,CV and NaCL, Granulated                                               | Low Risk | 12/08/2015 |
| DCM | GM082A  | MacConkey Agar w/o CV,NaCL w/0.5% Bile Salts, Granulated                                                | Low Risk | 12/08/2015 |
| DCM | GM082   | MacConkey Agar w/o CV,NaCLw/0.5% Sodium Taurocholate, Granulated                                        | Low Risk | 12/08/2015 |
| DCM | GMH083  | MacConkey Broth , Granulated                                                                            | Low risk | 22/04/2019 |
| DCM | GM083   | MacConkey Broth Purple w/BCP , Granulated                                                               | Low risk | 22/04/2019 |
| DCM | GM137   | Malt Extract Agar Base (w/ Mycological Peptone) , Granulated                                            | Low Risk | 12/08/2015 |
| DCM | GM255   | Malt Extract Broth Base, Granulated                                                                     | Low Risk | 12/08/2015 |
| DCM | GMH118  | Mannitol Salt Agar , Granulated                                                                         | Low risk | 22/04/2019 |
| DCM | GM118   | Mannitol Salt Agar Base , Granulated                                                                    | Low risk | 12/08/2015 |
| DCM | GM1030  | Maximum Recovery Diluent , Granulated                                                                   | Low risk | 22/04/2019 |
| DCM | GM1170  | Modified Czapek Dox Agar, Granulated                                                                    | Low risk | 25/08/2016 |
| DCM | GM1285  | Modified EC Broth Base, Granulated                                                                      | Low Risk | 12/08/2015 |
| DCM | GM1286I | Modified Soyabean Bile Broth Base , Granulated                                                          | Low risk | 22/04/2019 |
| DCM | GM1084  | Mueller Hinton Agar No. 2, Granulated                                                                   | Low Risk | 12/08/2015 |
| DCM | GM173   | Mueller Hinton Agar, Granulated                                                                         | Low Risk | 12/08/2015 |
| DCM | GM391   | Mueller Hinton Broth, Granulated                                                                        | Low Risk | 12/08/2015 |
| DCM | GM636   | MYP Agar Base (Phenol Red Egg Yolk Polymyxin Agar Base) , Granulated                                    | Low Risk | 12/08/2015 |
| DCM | GM1269  | Nutrient Agar No.2 , Granulated                                                                         | Low risk | 12/08/2015 |
| DCM | GM001   | Nutrient Agar, Granulated                                                                               | Low Risk | 12/08/2015 |
| DCM | GM002   | Nutrient Broth, Granulated                                                                              | Low Risk | 12/08/2015 |
| DCM | GM395   | OF Basal Medium, Granulated                                                                             | Low Risk | 12/08/2015 |
| DCM | GM933   | Orange Serum Agar , Granulated                                                                          | Low risk | 22/04/2019 |
| DCM | GM028   | Peptone Water, Granulated                                                                               | Low Risk | 04/07/2018 |
| DCM | GM837   | Perfringens Agar Base ( Tryptose Sulphite Cycloserine Agar Base) (T.S.C./S.F.P. Agar Base) , Granulated | Low Risk | 12/08/2015 |
| DCM | GM091   | Plate Count Agar (Standard Methods Agar),Granulated                                                     | Low Risk | 28/04/2017 |
| DCM | GMH096  | Potato Dextrose Agar , Granulated                                                                       | Low risk | 22/04/2019 |
| DCM | GM096   | Potato Dextrose Agar , Granulated                                                                       | Low risk | 22/04/2019 |
| DCM | GM085   | Pseudomonas Agar Base , Granulated                                                                      | Low risk | 22/04/2019 |
| DCM | GM085   | Pseudomonas Agar Base, Granulated                                                                       | Low Risk | 22/04/2019 |
| DCM | GMH1491 | Rappaport Vassiliadis Salmonella Enrichment Broth , Granulated                                          | Low risk | 22/04/2019 |
| DCM | GM1491  | Rappaport Vassiliadis Soya Broth (RVS Broth) , Granulated                                               | Low Risk | 12/08/2015 |
| DCM | GMH443  | Reinforced Medium for Clostridia , Granulated                                                           | Low risk | 22/04/2019 |

|     |        |                                                                                                               |          |            |
|-----|--------|---------------------------------------------------------------------------------------------------------------|----------|------------|
| DCM | GM149  | Robinson's Cooked M Medium (R.C. Medium), Granulated                                                          | Low Risk | 16/12/2017 |
| DCM | GM130  | Rogosa SL Agar, Granulated                                                                                    | Low Risk | 12/08/2015 |
| DCM | GM842  | Rose Bengal Agar Base, Granulated                                                                             | Low risk | 12/08/2015 |
| DCM | GM1067 | Sabouraud Chloramphenicol Agar, Granulated                                                                    | Low risk | 25/08/2016 |
| DCM | GM063  | Sabouraud Dextrose Agar , Granulated                                                                          | Low Risk | 12/08/2015 |
| DCM | GMH063 | Sabouraud Dextrose Agar , Granulated                                                                          | Low risk | 22/04/2019 |
| DCM | GM033  | Sabouraud Dextrose Broth (Sabouraud Liquid Medium) , Granulated                                               | Low Risk | 12/08/2015 |
| DCM | GMH033 | Sabouraud Dextrose Broth , Granulated                                                                         | Low risk | 22/04/2019 |
| DCM | GMV033 | Sabouraud Dextrose HiVeg™ Broth (Sabouraud Liquid HiVeg™ Medium) , Granulated                                 | Low Risk | 12/08/2015 |
| DCM | GM1313 | Sabouraud Dextrose Maltose Agar, Granulated                                                                   | Low Risk | 12/08/2015 |
| DCM | GM062  | Sabouraud Maltose Agar, Granulated                                                                            | Low Risk | 12/08/2015 |
| DCM | GM1619 | Sakazakii DHL Agar, Granulated                                                                                | Low Risk | 12/08/2015 |
| DCM | GM1078 | Salmonella Differential Agar (Twin Pack), Raj Hans Medium (Twin Pack) , Granulated                            | Low Risk | 12/08/2015 |
| DCM | GM052  | Selenite Broth (Selenite F Broth) (Twin Pack) , Granulated                                                    | Low Risk | 12/08/2015 |
| DCM | GM612A | Slanetz and Bartley Medium w/o TTC, Granulated                                                                | Low risk | 10/11/2020 |
| DCM | GM298R | Sorbitol Agar (Sorbitol MacConkey Agar)                                                                       | Low risk | 25/08/2016 |
| DCM | GM290  | Soyabean Casein Digest Agar (Tryptone Soya Agar) , Granulated                                                 | Low risk | 22/04/2019 |
| DCM | GM011  | Soyabean Casein Digest Medium (Tryptone Soya Broth) , Granulated                                              | Low risk | 22/04/2019 |
| DCM | GMH011 | Soybean Casein Digest Medium (Casein Soybean Digest Broth) , Granulated                                       | Low risk | 22/04/2019 |
| DCM | GMH290 | Soybean-Casein Digest Agar (Casein Soyabean Digest Agar) , Granulated                                         | Low risk | 22/04/2019 |
| DCM | GM108  | SS Agar (Salmonella Shigella Agar) , Granulated                                                               | Low Risk | 12/08/2015 |
| DCM | GM189  | TCBS Agar, Granulated                                                                                         | Low Risk | 12/08/2015 |
| DCM | GM010  | Thioglycollate Broth, Alternative ( Alternative Thioglycollate Medium)(NIH Thioglycollate Broth) , Granulated | Low risk | 12/08/2015 |
| DCM | GM021  | Triple Sugar Iron Agar , Granulated                                                                           | Low risk | 22/04/2019 |
| DCM | GM463  | Tryptone Broth (Tryptone Water) , Granulated                                                                  | Low risk | 22/04/2019 |
| DCM | GM177  | Tryptose Broth, Granulated                                                                                    | Low Risk | 12/08/2015 |
| DCM | GM112  | Urea Agar Base (Christensen) (Autoclavable)                                                                   | Low Risk | 30/10/2018 |
| DCM | GM112A | Urea Agar Base (Filter sterilizable), Granulated                                                              | Low risk | 25/08/2016 |
| DCM | GM111A | Urea Broth (Filter sterilizable), Granulated                                                                  | Low risk | 25/08/2016 |
| DCM | GM049  | Violet Red Bile Agar, Granulated                                                                              | Low risk | 28/04/2017 |
| DCM | GMH581 | Violet Red Bile Glucose Agar , Granulated                                                                     | Low risk | 22/04/2019 |
| DCM | GM581  | Violet Red Bile Glucose Agar w/o Lactose, Granulated                                                          | Low risk | 04/07/2018 |
| DCM | GM031  | Xylose Lysine Deoxycholate Agar (XLD Agar) , Granulated                                                       | Low Risk | 12/08/2015 |
| DCM | GMH031 | Xylose-Lysine-Deoxycholate Agar , Granulated                                                                  | Low risk | 22/04/2019 |

| Product group                                | Type/ Model / Ref number | Device Name                                       | Risk Class | Date of CE compliance |
|----------------------------------------------|--------------------------|---------------------------------------------------|------------|-----------------------|
| <b>Dehydrated Culture Media -Supplements</b> |                          |                                                   |            |                       |
| DCM-S                                        | FD001                    | Non Spore Anaerobic Supplement                    | Low risk   | 20/12/2012            |
| DCM-S                                        | FD002                    | G.N. Spore Anaerobic Supplement                   | Low risk   | 20/12/2012            |
| DCM-S                                        | FD003                    | Polymyxin B Selective Supplement                  | Low risk   | 20/12/2012            |
| DCM-S                                        | FD003B                   | Polymyxin B Selective Supplement                  | Low risk   | 04/07/2018            |
| DCM-S                                        | FD004                    | Bordetella Selective Supplement                   | Low risk   | 20/12/2012            |
| DCM-S                                        | FD005                    | Brucella Selective Supplement                     | Low risk   | 20/12/2012            |
| DCM-S                                        | FD006                    | Campylobacter Supplement-I (Blaser-Wang)          | Low risk   | 20/12/2012            |
| DCM-S                                        | FD007                    | Campylobacter Supplement - II (Butzler)           | Low risk   | 20/12/2012            |
| DCM-S                                        | FD008                    | Campylobacter Supplement- III (Skirrow)           | Low risk   | 20/12/2012            |
| DCM-S                                        | FD009                    | Campylobacter Growth Supplement                   | Low risk   | 20/12/2012            |
| DCM-S                                        | FD010                    | Clostridium Difficile Supplement                  | Low risk   | 20/12/2012            |
| DCM-S                                        | FD013                    | S.F.P. Supplement (Perfringens S.F.P. Supplement) | Low risk   | 20/12/2012            |
| DCM-S                                        | FD014                    | T.S.C. Supplement (Perfringens T.S.C. Supplement) | Low risk   | 20/12/2012            |
| DCM-S                                        | FD015                    | Dermato Supplement                                | Low risk   | 20/12/2012            |
| DCM-S                                        | FD017                    | Legionella Selective Supplement                   | Low risk   | 20/12/2012            |
| DCM-S                                        | FD018                    | Middlebrook OADC Growth Supplement                | Low risk   | 20/12/2012            |
| DCM-S                                        | FD019                    | Middlebrook ADC Growth Supplement                 | Low risk   | 20/12/2012            |
| DCM-S                                        | FD019R                   | Middlebrook ADC Growth Supplement                 | Low risk   | 10/11/2020            |
| DCM-S                                        | FD020                    | Oleic Albumin Supplement                          | Low risk   | 20/12/2012            |
| DCM-S                                        | FD021                    | GC Supplement w/ Antibiotics                      | Low risk   | 20/12/2012            |
| DCM-S                                        | FD022                    | Haemoglobin Powder                                | Low risk   | 20/12/2012            |
| DCM-S                                        | FD023                    | V.C.N. Supplement                                 | Low risk   | 20/12/2012            |
| DCM-S                                        | FD024                    | V.C.N.T. Supplement                               | Low risk   | 20/12/2012            |
| DCM-S                                        | FD025                    | Vitamino Growth Supplement (Twin Pack)            | Low risk   | 20/12/2012            |
| DCM-S                                        | FD025R                   | Vitamino Growth Supplement (Twin Pack)            | Low risk   | 10/11/2020            |
| DCM-S                                        | FD026                    | Linco T Supplement                                | Low risk   | 20/12/2012            |
| DCM-S                                        | FD026R                   | Linco T Supplement                                | Low risk   | 10/11/2020            |
| DCM-S                                        | FD027                    | Yeast Autolysate Supplement                       | Low risk   | 20/12/2012            |
| DCM-S                                        | FD028                    | Vanco T Supplement                                | Low risk   | 20/12/2012            |
| DCM-S                                        | FD029                    | Cetrinix Supplement                               | Low risk   | 22/04/2019            |
| DCM-S                                        | FD030                    | Staph-Strepto Supplement                          | Low risk   | 20/12/2012            |
| DCM-S                                        | FD031                    | Strepto supplement                                | Low risk   | 25/08/2016            |
| DCM-S                                        | FD033                    | Chloramphenicol Selective Supplement              | Low risk   | 20/12/2012            |
| DCM-S                                        | FD034                    | Yersinia Selective Supplement                     | Low risk   | 20/12/2012            |
| DCM-S                                        | FD035                    | CC Supplement                                     | Low risk   | 20/12/2012            |
| DCM-S                                        | FD036                    | CFC Supplement                                    | Low risk   | 22/04/2019            |
| DCM-S                                        | FD037                    | Legionella Selective Supplement II                | Low risk   | 20/12/2012            |

|       |         |                                                                      |          |            |
|-------|---------|----------------------------------------------------------------------|----------|------------|
| DCM-S | FD038   | Legionella Selective Supplement III                                  | Low risk | 20/12/2012 |
| DCM-S | FD039   | Aeromonas Selective Supplement                                       | Low risk | 20/12/2012 |
| DCM-S | FD040   | Legionella Selective Supplement IV (MWY)                             | Low risk | 20/12/2012 |
| DCM-S | FD041A  | Legionella Supplement (Twin Pack)                                    | Low risk | 20/12/2012 |
| DCM-S | FD041AR | Legionella Growth Supplement (Legionella Supplement) (Twin Pack)     | Low risk | 25/08/2016 |
| DCM-S | FD042   | Campylobacter Selective Supplement IV (Preston Selective Supplement) | Low risk | 20/12/2012 |
| DCM-S | FD043   | Doyle's Antibiotic Supplement                                        | Low risk | 20/12/2012 |
| DCM-S | FD045   | Egg Yolk Emulsion (100 ml per vial)                                  | Low risk | 20/12/2012 |
| DCM-S | FD045B  | Egg Yolk Emulsion                                                    | Low risk | 04/07/2018 |
| DCM-S | FD045L  | Egg Yolk Emulsion (50ml per vial)                                    | Low risk | 04/07/2018 |
| DCM-S | FD045R  | Egg Yolk Emulsion (100 ml per vial)                                  | Low risk | 25/08/2016 |
| DCM-S | FD045RC | Egg Yolk Emulsion (100 ml per vial)                                  | Low risk | 10/11/2020 |
| DCM-S | FD046   | Egg Yolk Tellurite Emulsion ( 100 ml per vial)                       | Low risk | 20/12/2012 |
| DCM-S | FD046B  | Egg Yolk Tellurite Emulsion                                          | Low risk | 04/07/2018 |
| DCM-S | FD046L  | Egg Yolk Tellurite Emulsion ( 50ml per vial)                         | Low risk | 04/07/2018 |
| DCM-S | FD046N  | Egg Yolk Tellurite Emulsion, Modified                                | Low risk | 04/07/2018 |
| DCM-S | FD046NL | Egg Yolk Tellurite Emulsion, Modified                                | Low risk | 04/07/2018 |
| DCM-S | FD046R  | Egg Yolk Tellurite Emulsion                                          | Low risk | 10/11/2020 |
| DCM-S | FD047   | Potassium Tellurite 3.5% (1 ml per vial)                             | Low risk | 20/12/2012 |
| DCM-S | FD048   | Urea 40% (5 ml per vial)                                             | Low risk | 20/12/2012 |
| DCM-S | FD049   | C.B.I. Supplement                                                    | Low risk | 20/12/2012 |
| DCM-S | FD052   | Potassium Tellurite 1% (1 ml per vial)                               | Low risk | 20/12/2012 |
| DCM-S | FD053   | Gruft Mycobacterial Supplement                                       | Low risk | 20/12/2012 |
| DCM-S | FD054   | GBS Supplement                                                       | Low risk | 20/12/2012 |
| DCM-S | FD056   | G. Vaginalis Selective Supplement                                    | Low risk | 20/12/2012 |
| DCM-S | FD057   | TTC Solution 1% (10 ml per vial)                                     | Low risk | 20/12/2012 |
| DCM-S | FD059   | Basic Fuchsin (6.0 gm per vial)                                      | Low risk | 20/12/2012 |
| DCM-S | FD061   | Listeria Selective Supplement (PALCAM)                               | Low risk | 22/04/2019 |
| DCM-S | FD061R  | Listeria Selective Supplement (PALCAM)                               | Low risk | 04/07/2018 |
| DCM-S | FD062   | Bacteroides Selective Supplement                                     | Low risk | 20/12/2012 |
| DCM-S | FD063   | Listeria Selective Supplement II                                     | Low risk | 20/12/2012 |
| DCM-S | FD063I  | Listeria Selective Supplement II                                     | Low risk | 20/12/2012 |
| DCM-S | FD066   | Leptospira Enrichment                                                | Low risk | 20/12/2012 |
| DCM-S | FD068   | Sulpha Supplement                                                    | Low risk | 20/12/2012 |
| DCM-S | FD069   | B P Sulpha Supplement                                                | Low risk | 20/12/2012 |
| DCM-S | FD070   | McBride Listeria Supplement                                          | Low risk | 20/12/2012 |
| DCM-S | FD071   | Oxford Listeria Supplement                                           | Low risk | 20/12/2012 |
| DCM-S | FD072   | KL Virulence Enrichment (20 ml per vial)                             | Low risk | 20/12/2012 |
| DCM-S | FD072D  | KL Virulence Enrichment (500 ml)                                     | Low risk | 10/11/2020 |

|       |        |                                                       |          |            |
|-------|--------|-------------------------------------------------------|----------|------------|
| DCM-S | FD072M | KL Virulence Enrichment (1000 ml)                     | Low risk | 10/11/2020 |
| DCM-S | FD073  | Diphtheria Virulence Supplement (Part A & B)          | Low risk | 20/12/2012 |
| DCM-S | FD075  | Mycoplasma Enrichment Supplement                      | Low risk | 20/12/2012 |
| DCM-S | FD075R | Mycoplasma Enrichment Supplement                      | Low risk | 10/11/2020 |
| DCM-S | FD078  | Campylobacter Selective Supplement (Karmali)          | Low risk | 10/11/2020 |
| DCM-S | FD082  | Ampicillin Supplement                                 | Low risk | 20/12/2012 |
| DCM-S | FD090  | Campylobacter Selective Supplement                    | Low risk | 20/12/2012 |
| DCM-S | FD091  | Bromo Thymol Blue Supplement (20 mg per vial)         | Low risk | 20/12/2012 |
| DCM-S | FD092  | MUG Supplement (50 mg per vial)                       | Low risk | 10/11/2020 |
| DCM-S | FD093  | Bromo Cresol Purple                                   | Low risk | 22/04/2019 |
| DCM-S | FD094  | Trichomonas Selective Supplement II                   | Low risk | 20/12/2012 |
| DCM-S | FD095  | 10% Lactic Acid Solution (10 ml per vial)             | Low risk | 20/12/2012 |
| DCM-S | FD096  | Novobiocin Supplement                                 | Low risk | 22/04/2019 |
| DCM-S | FD099  | Trichomonas Selective Supplement I                    | Low risk | 20/12/2012 |
| DCM-S | FD100  | Mueller Tellurite Serum (25 ml per vial)              | Low risk | 20/12/2012 |
| DCM-S | FD102  | Ticarcillin Supplement                                | Low risk | 20/12/2012 |
| DCM-S | FD103  | Potassium Chlorate Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD105  | Park and Sanders Selective Supplement II              | Low risk | 20/12/2012 |
| DCM-S | FD106  | Campylobacter Supplement VI (Butzler)                 | Low risk | 20/12/2012 |
| DCM-S | FD111  | Kimmig Selective Supplement (Twin Pack)               | Low risk | 20/12/2012 |
| DCM-S | FD112  | George Kimmig Selective Supplement                    | Low risk | 20/12/2012 |
| DCM-S | FD114  | Vitamin K1 Supplement                                 | Low risk | 20/12/2012 |
| DCM-S | FD117  | Haemophilus Growth Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD118  | Mucosal                                               | Low risk | 20/12/2012 |
| DCM-S | FD119  | Streptococcus Selective Supplement                    | Low risk | 20/12/2012 |
| DCM-S | FD120  | Chlortetracycline Selective Supplement                | Low risk | 20/12/2012 |
| DCM-S | FD126  | Listeria Moxalactam Supplement                        | Low risk | 20/12/2012 |
| DCM-S | FD130  | Nalidixic Selective Supplement                        | Low risk | 20/12/2012 |
| DCM-S | FD132  | Campylobacter Selective Supplement w/ Hemin (Karmali) | Low risk | 10/11/2020 |
| DCM-S | FD135  | CCDA Selective Supplement                             | Low risk | 20/12/2012 |
| DCM-S | FD136  | Listeria UVM Supplement I                             | Low risk | 20/12/2012 |
| DCM-S | FD137  | Listeria UVM Supplement II                            | Low risk | 20/12/2012 |
| DCM-S | FD142  | Legionella Growth Supplement (BCYE)                   | Low risk | 10/11/2020 |
| DCM-S | FD142X | Legionella Growth Supplement                          | Low risk | 10/11/2020 |
| DCM-S | FD143  | Legionella (GVPC) Selective Supplement                | Low risk | 20/12/2012 |
| DCM-S | FD144  | Legionella BIPA Selective Supplement                  | Low risk | 10/11/2020 |
| DCM-S | FD147  | Tellurite - Cefixime Supplement                       | Low risk | 20/12/2012 |
| DCM-S | FD149  | Neomycin Supplement                                   | Low risk | 20/12/2012 |
| DCM-S | FD150  | NYC Supplement                                        | Low risk | 20/12/2012 |
| DCM-S | FD152  | XLT4 Supplement                                       | Low risk | 20/12/2012 |

|       |        |                                                           |          |            |
|-------|--------|-----------------------------------------------------------|----------|------------|
| DCM-S | FD153  | M-CP Selective Supplement - I                             | Low risk | 10/11/2020 |
| DCM-S | FD154  | M-CP Selective Supplement - II                            | Low risk | 10/11/2020 |
| DCM-S | FD154A | M-CP Selective Supplement, Modified                       | Low risk | 10/11/2020 |
| DCM-S | FD157  | Urea 5% (5 ml per vial)                                   | Low risk | 20/12/2012 |
| DCM-S | FD158  | Campylobacter Selective Supplement IV (Preston), Modified | Low risk | 20/12/2012 |
| DCM-S | FD159  | Doyle's Antibiotic Supplement, Modified                   | Low risk | 04/07/2018 |
| DCM-S | FD160  | Legionella (GVPA) Selective Supplement, Modified          | Low risk | 04/07/2018 |
| DCM-S | FD161  | Brucella Selective Supplement, Modified                   | Low risk | 04/07/2018 |
| DCM-S | FD163  | Listeria Selective Supplement II, Modified                | Low risk | 04/07/2018 |
| DCM-S | FD164  | Park and Sanders Selective Supplement II, Modified        | Low risk | 04/07/2018 |
| DCM-S | FD165  | Campylobacter Supplement -II (Butzler), Modified          | Low risk | 04/07/2018 |
| DCM-S | FD169  | CC Supplement, Modified                                   | Low risk | 04/07/2018 |
| DCM-S | FD171  | McBride Listeria Supplement, Modified                     | Low risk | 04/07/2018 |
| DCM-S | FD172  | Oxford Listeria Supplement, Modified                      | Low risk | 28/04/2017 |
| DCM-S | FD172R | Oxford Listeria Supplement, Modified                      | Low risk | 04/07/2018 |
| DCM-S | FD173  | Mycoprep (for 2 tests)                                    | Low risk | 16/12/2017 |
| DCM-S | FD173B | Mycoprep (for 10 tests)                                   | Low risk | 16/12/2017 |
| DCM-S | FD175  | Mycoplasma Urogenital Selective Supplement                | Low risk | 20/12/2012 |
| DCM-S | FD176  | Dermato Supplement, Modified                              | Low risk | 04/07/2018 |
| DCM-S | FD179  | Antibiotic Mixture for Borrelia (100 X) (5 ml per vial)   | Low risk | 20/12/2012 |
| DCM-S | FD180  | Rabbit serum                                              | Low risk | 25/08/2016 |
| DCM-S | FD181  | HiCrome™ Listeria Selective Supplement                    | Low risk | 10/11/2020 |
| DCM-S | FD183  | Legionella Selective Supplement II, Modified              | Low risk | 04/07/2018 |
| DCM-S | FD185  | Anthraxis Selective Supplement                            | Low risk | 20/12/2012 |
| DCM-S | FD187  | HiCrome™ EC O157 : H7 Selective Supplement                | Low risk | 05/11/2020 |
| DCM-S | FD190  | HiCrome®Hicrome ECC Selective Supplement                  | Low risk | 22/04/2019 |
| DCM-S | FD191  | Oxacillin Resistance Selective Supplement                 | Low risk | 20/12/2012 |
| DCM-S | FD192  | HiCrome™ Candida Selective Supplement                     | Low risk | 20/12/2012 |
| DCM-S | FD195  | Fibrinogen Plasma Trypsin Inhibitor Supplement            | Low risk | 20/12/2012 |
| DCM-S | FD196  | Tetracycline Selective Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD198  | Mycoplasma Cultivation Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD201  | Albumin Glucose Supplement                                | Low risk | 20/12/2012 |
| DCM-S | FD206  | Legionella Growth Supplement w/o L-Cysteine               | Low risk | 05/11/2020 |
| DCM-S | FD206R | Legionella Growth Supplement w/o L-Cysteine               | Low risk | 10/11/2020 |
| DCM-S | FD212  | L. mono Selective Supplement I                            | Low risk | 20/12/2012 |
| DCM-S | FD212A | OA Listeria Selective Supplement                          | Low risk | 10/11/2020 |
| DCM-S | FD212B | L. mono Selective Supplement I                            | Low risk | 04/07/2018 |
| DCM-S | FD213  | L. mono Selective Supplement II                           | Low risk | 20/12/2012 |
| DCM-S | FD214  | L. mono Enrichment Supplement I                           | Low risk | 20/12/2012 |
| DCM-S | FD215  | Vitamins Growth Supplement, Modified (Twin Pack)          | Low risk | 20/12/2012 |



|       |        |                                                              |          |            |
|-------|--------|--------------------------------------------------------------|----------|------------|
| DCM-S | FD215B | Vitamins Growth Supplement, Modified                         | Low risk | 22/04/2019 |
| DCM-S | FD225  | Klebsiella Selective Supplement                              | Low risk | 10/11/2020 |
| DCM-S | FD226  | Enterococcus faecium Selective Supplement                    | Low risk | 10/11/2020 |
| DCM-S | FD227  | L. mono Enrichment Supplement II                             | Low risk | 20/12/2012 |
| DCM-S | FD229  | MeReSa Selective Supplement                                  | Low risk | 20/12/2012 |
| DCM-S | FD230  | HiCrome EC 0157: H7 Selective Supplement                     | Low risk | 22/04/2019 |
| DCM-S | FD232  | Burkholderia Cepacia Selective Supplement                    | Low risk | 20/12/2012 |
| DCM-S | FD233  | Vancomycin Supplement                                        | Low risk | 20/12/2012 |
| DCM-S | FD236  | Sorbic Acid Supplement                                       | Low risk | 20/12/2012 |
| DCM-S | FD241  | Poctri supplement                                            | Low risk | 25/08/2016 |
| DCM-S | FD242  | Legionella Selective Supplement(GVPN)                        | Low risk | 20/12/2012 |
| DCM-S | FD243  | Clostridium Difficile Supplement                             | Low risk | 20/12/2012 |
| DCM-S | FD245  | HiCrome™ Nickels & Leesment Selective Supplement             | Low risk | 10/11/2020 |
| DCM-S | FD246  | Cefixime Supplement                                          | Low risk | 20/12/2012 |
| DCM-S | FD247  | ECO157:H7 Selective Supplement                               | Low risk | 22/04/2019 |
| DCM-S | FD248  | Coagulase Plasma                                             | Low risk | 04/07/2018 |
| DCM-S | FD248A | Coagulase Plasma w/ EDTA (From Rabbit)                       | Low risk | 22/04/2019 |
| DCM-S | FD248B | Rabbit plasma with EDTA and 15% NaCl                         | Low risk | 22/04/2019 |
| DCM-S | FD248R | Coagulase Supplement for Staphylococci                       | Low risk | 22/04/2019 |
| DCM-S | FD252  | Gentamycin Selective Supplement                              | Low risk | 22/04/2019 |
| DCM-S | FD253  | Urea Solution                                                | Low risk | 20/12/2012 |
| DCM-S | FD254  | Ureaplasma Selective Supplement                              | Low risk | 04/07/2018 |
| DCM-S | FD255  | Ureaplasma Growth Supplement                                 | Low risk | 20/12/2012 |
| DCM-S | FD259  | Cefoxitin Supplement                                         | Low risk | 20/12/2012 |
| DCM-S | FD261  | Vancomycin Supplement                                        | Low risk | 20/12/2012 |
| DCM-S | FD266  | Listeria Moxalactam Supplement Modified                      | Low risk | 20/12/2012 |
| DCM-S | FD269  | OFBPL Selective Supplement                                   | Low risk | 25/11/2017 |
| DCM-S | FD270  | Chromogenic Supplement                                       | Low risk | 10/11/2020 |
| DCM-S | FD271  | MDR Acinetobacter Selective Supplement                       | Low risk | 25/08/2016 |
| DCM-S | FD274  | HiCrome™ Selective Salmonella Agar Supplement                | Low risk | 22/04/2019 |
| DCM-S | FD277  | HiCrome™ VRE Agar supplement                                 | Low risk | 20/12/2012 |
| DCM-S | FD278  | HiCrome™ ESBL Agar Supplement                                | Low risk | 20/12/2012 |
| DCM-S | FD279  | HiCrome™ KPC Agar Supplement                                 | Low risk | 20/12/2012 |
| DCM-S | FD280  | Sterile Charcoal Supplement for Legionella Agar              | Low risk | 10/11/2020 |
| DCM-S | FD283R | HiCrome™ Candida Differential Selective Supplement           | Low risk | 20/12/2012 |
| DCM-S | FD284  | Acriflavin-Cefsulodin-Vancomycin Supplement (ACV Supplement) | Low risk | 20/12/2012 |
| DCM-S | FD285  | Bifidobacterium Selective Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD286  | Yersinia Selective Supplement                                | Low risk | 20/12/2012 |
| DCM-S | FD287  | Growth Supplement I for MSM                                  | Low risk | 20/12/2012 |
| DCM-S | FD288  | Growth Supplement II for MSM                                 | Low risk | 20/12/2012 |

|       |        |                                                         |          |            |
|-------|--------|---------------------------------------------------------|----------|------------|
| DCM-S | FD290  | Novobiocin Selective Supplement                         | Low risk | 20/12/2012 |
| DCM-S | FD295  | HiCrome™ ECO157:H7 Selective Supplement Modified        | Low risk | 22/04/2019 |
| DCM-S | FD299  | Selective Supplement for MRSA                           | Low risk | 20/12/2012 |
| DCM-S | FD300  | Hayflick Supplement                                     | Low risk | 20/12/2012 |
| DCM-S | FD302  | Group A Selective Supplement                            | Low risk | 20/12/2012 |
| DCM-S | FD304  | Arcobacter Selective Supplement                         | Low risk | 05/11/2020 |
| DCM-S | FD306  | Modified Listeria Oxford Selective Supplement           | Low risk | 22/04/2019 |
| DCM-S | FD309  | Monensin Selective Supplement                           | Low risk | 22/04/2019 |
| DCM-S | FD312  | VIA Supplement                                          | Low risk | 20/12/2012 |
| DCM-S | FD319  | MRSA Supplement                                         | Low risk | 25/08/2016 |
| DCM-S | FD319R | MeReSa Selective Supplement (MRSA Selective Supplement) | Low risk | 25/08/2016 |
| DCM-S | FD320  | Clostridium difficile Selective Supplement              | Low risk | 25/08/2016 |
| DCM-S | FD321  | TVCSB Supplement                                        | Low risk | 25/08/2016 |
| DCM-S | FD322  | Middlebrook ADC Growth Supplement, Modified             | Low risk | 25/08/2016 |
| DCM-S | FD323  | TSBV Supplement                                         | Low risk | 25/08/2016 |
| DCM-S | FD324  | Bacillus Selective Supplement                           | Low risk | 25/08/2016 |
| DCM-S | FD327  | NAD Supplement                                          | Low risk | 25/08/2016 |
| DCM-S | FD329  | Middlebrook OADC Enrichment Supplement                  | Low risk | 25/08/2016 |
| DCM-S | FD332  | Lecithin solution                                       | Low risk | 10/11/2020 |
| DCM-S | FD333  | Modified L.mono Selective supplement                    | Low risk | 10/11/2020 |
| DCM-S | FD334  | Mycoplasma selective supplement                         | Low risk | 25/08/2016 |
| DCM-S | FD335  | Leeds Acinetobacter selective supplement                | Low risk | 25/08/2016 |
| DCM-S | FD335R | MDR Acinetobacter Selective Supplement                  | Low risk | 25/08/2016 |
| DCM-S | FD338  | LCN Supplement                                          | Low risk | 25/08/2016 |
| DCM-S | FD340  | PACT Supplement                                         | Low risk | 28/04/2017 |
| DCM-S | FD342  | Rapid Listeria Selective Supplement                     | Low risk | 10/11/2020 |
| DCM-S | FD343  | Growth Supplement for Fastidious Organism               | Low risk | 16/12/2017 |
| DCM-S | FD344  | ECC Selective Supplement Modified                       | Low risk | 22/04/2019 |
| DCM-S | FD345  | Ciprofloxacin Supplement                                | Low risk | 10/11/2020 |
| DCM-S | FD347  | PCP Supplement                                          | Low risk | 04/07/2018 |
| DCM-S | FD347B | PCP Supplement                                          | Low risk | 10/11/2020 |
| DCM-S | FD348  | OADS Supplement                                         | Low risk | 16/12/2017 |
| DCM-S | FD349  | Vancomycin Polymyxin B Supplement                       | Low risk | 04/07/2018 |
| DCM-S | FD352  | Acinetobacter Selective Supplement                      | Low risk | 30/10/2018 |
| DCM-S | FD353  | VCAT Supplement                                         | Low risk | 30/10/2018 |
| DCM-S | FD354  | STEC Selective Supplement                               | Low risk | 30/10/2018 |
| DCM-S | FD355  | HiCrome™ Colistin Resistant Selective Supplement        | Low risk | 30/10/2018 |
| DCM-S | FD356  | Diphenyl supplement                                     | Low risk | 22/04/2019 |
| DCM-S | FD357  | Carba Selective Supplement                              | Low risk | 10/11/2020 |
| DCM-S | FD360  | C.auris Selective Supplement                            | Low risk | 05/11/2019 |
| DCM-S | FD361  | BCSA Selective Supplement                               | Low risk | 05/11/2019 |

|       |        |                                                                                         |          |            |
|-------|--------|-----------------------------------------------------------------------------------------|----------|------------|
| DCM-S | FD362  | Coagulase Supplement (for M2126)                                                        | Low risk | 10/11/2020 |
| DCM-S | FD363  | HiMRSA Selective Supplement                                                             | Low risk | 17/06/2021 |
| DCM-S | FD725R | Mycoprep (Modified,Bulk powder)                                                         | Low risk | 25/08/2016 |
| DCM-S | FD726  | Mycoprep (Modified, powder for 1000ml)                                                  | Low risk | 25/08/2016 |
| DCM-S | FD743R | Bifido Selective Supplement C                                                           | Low risk | 25/08/2016 |
| DCM-S | FD744R | Bifido Selective Supplement D                                                           | Low risk | 25/08/2016 |
| DCM-S | FD745R | Bifido Selective Supplement E                                                           | Low risk | 25/08/2016 |
| DCM-S | FD749  | Supplement for HiCrome™ Candida Agar                                                    | Low risk | 04/07/2018 |
| DCM-S | FD750  | L. J. Media Supplement w/ Capreomycin                                                   | Low risk | 25/08/2016 |
| DCM-S | FD751  | L. J. Medium Supplement w/ Clarithromycin                                               | Low risk | 25/08/2016 |
| DCM-S | FD752  | L. J. Media Supplement w/ D-Cycloserine                                                 | Low risk | 25/08/2016 |
| DCM-S | FD753  | L. J. Media Supplement w/ Ethambutol                                                    | Low risk | 25/08/2016 |
| DCM-S | FD754  | L. J. Media Supplement w/ Ethionamide                                                   | Low risk | 25/08/2016 |
| DCM-S | FD755  | L. J. Medium Supplement w/ Gatifloxacin                                                 | Low risk | 25/08/2016 |
| DCM-S | FD756  | L. J. Media Supplement w/ Isoniazide                                                    | Low risk | 25/08/2016 |
| DCM-S | FD757  | L. J. Media Supplement w/ Kanamycin                                                     | Low risk | 25/08/2016 |
| DCM-S | FD758  | L. J. Medium Supplement w/ Levofloxacin                                                 | Low risk | 25/08/2016 |
| DCM-S | FD759  | L. J. Medium Supplement w/ Lomefloxacin                                                 | Low risk | 04/07/2018 |
| DCM-S | FD760  | L. J. Medium Supplement w/ Ofloxacin                                                    | Low risk | 04/07/2018 |
| DCM-S | FD761  | L. J. Medium Supplement w/ p-Aminosalicylic acid                                        | Low risk | 04/07/2018 |
| DCM-S | FD762  | L. J. Medium Supplement w/ Pyrazinamide                                                 | Low risk | 04/07/2018 |
| DCM-S | FD763  | L.J.Medium Supplementw/Rifabutin                                                        | Low risk | 04/07/2018 |
| DCM-S | FD764  | L.J.Medium Supplementw/Rifampicin                                                       | Low risk | 04/07/2018 |
| DCM-S | FD765  | L.J.Medium Supplementw/Sodium Salicylate                                                | Low risk | 04/07/2018 |
| DCM-S | FD766  | L.J.Medium Supplementw/Streptomycin                                                     | Low risk | 04/07/2018 |
| DCM-S | FD767  | L.J.Medium Supplementw/TCH                                                              | Low risk | 04/07/2018 |
| DCM-S | FD768  | Chloramphenicol Supplement                                                              | Low risk | 04/07/2018 |
| DCM-S | FD772  | L.J. Media Supplement w/Amikacin                                                        | Low risk | 04/07/2018 |
| DCM-S | FD775  | L.J. Media Supplement w/ p-Nitrobenzoic acid                                            | Low risk | 04/07/2018 |
| DCM-S | FD780  | L.J. Media Supplement w/Moxifloxacin                                                    | Low risk | 04/07/2018 |
| DCM-S | FD804  | Enriched growth Supplement for Mycobacteria                                             | Low risk | 04/07/2018 |
| DCM-S | FD805  | Growth Supplement for Anaerobic cultures                                                | Low risk | 10/11/2020 |
| DCM-S | FD808  | Supplement for GC Agar Base                                                             | Low risk | 10/11/2020 |
| DCM-S | FD812  | Selective Supplement for Gram positive bacteria (Clostridium, Staphylococcus spp. etc.) | Low risk | 10/11/2020 |
| DCM-S | FD814  | PANTA Supplement                                                                        | Low risk | 10/11/2020 |
| DCM-S | FD815B | Selective Supplement for SS Agar                                                        | Low risk | 10/11/2020 |
| DCM-S | FD816  | Selective supplement for Enterobacteriaceae                                             | Low risk | 10/11/2020 |
| DCM-S | FD817  | Selective Supplement for Staphylococcus                                                 | Low risk | 10/11/2020 |
| DCM-S | FD820  | Selective Supplement for SS Agar                                                        | Low risk | 10/11/2020 |



| Product group                      | Type/ Model / Ref number | Device Name                                                | Risk Class | Date of CE compliance |
|------------------------------------|--------------------------|------------------------------------------------------------|------------|-----------------------|
| Ready Prepared Media               |                          |                                                            | Low risk   | 10/06/2021            |
| RPM - Ready Prepared Plates        | HB001                    | HiCombi™ Nutrient - MacConkey Agar Plate                   | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB003                    | HiCombi™ CLED - MacConkey Agar Plate                       | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB004                    | HiCombi™ XLD - MacConkey Agar Plate                        | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB005                    | HiCombi™ Cetrimide - MacConkey Agar Plate                  | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB006                    | HiCombi™ Blood- MacConkey Agar Plate                       | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB007                    | HiCombi™ MacConkey-Mannitol Salt Agar                      | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB008                    | HiCombi™ Blood -Chocolate Agar                             | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB009                    | HiCombi™ Blood -Mannitol Salt Agar                         | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB010                    | HiCombi™ Chocolate - MacConkey Agar Plate                  | Low risk   | 20/12/2012            |
| RPM - Ready Prepared Plates        | HB017                    | HiCombi™ Sabouraud Dextrose-Sheep Blood Agar Plate         | Low risk   | 17/06/2021            |
| RPM- HiDip Slides                  | HD001                    | HiDip™ Cled-Cetri-Mac Medium                               | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD002                    | HiDip™ Mac-Cled-Sab Medium                                 | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD003                    | HiDip™ Mac-Cled-Bile Esculin Medium                        | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD004                    | HiDip™ Cled-Mac Medium                                     | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD005                    | HiDip™ Cled-MUG Mac Medium                                 | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD006                    | HiDip™ Cled-HiCrome™ UTI Medium                            | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD007                    | HiDip™ Mac-HiCrome™ UTI Medium                             | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD007R                   | HiDip™ Mac-HiCrome™ UTI Medium                             | Low risk   | 10/11/2020            |
| RPM- HiDip Slides                  | HD018                    | HiDip™ TSA-CLED Agar w/ B.T.B Indicator Medium             | Low Risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD020                    | HiDip™ Pseudomonas Agar - MacConkey Agar Medium            | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD021                    | HiDip™ PCA - MacConkey Agar Medium                         | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD024                    | HiDip™ Modified Rogosa Medium-Modified Rogosa Medium       | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD025                    | HiDip™ Modified Nickerson Medium-Modified Nickerson Medium | Low risk   | 20/12/2012            |
| RPM- HiDip Slides                  | HD041                    | HiDip HiCrome™ Universal Agar-PCA                          | Low risk   | 28/04/2017            |
| RPM- HiDip Slides                  | HD042                    | HiDip HiCrome™ UTI Agar - Dey Engley Neutralizing agar     | Low risk   | 28/04/2017            |
| RPM- HiDip Slides                  | HD046                    | HiDip TSA-TCBS                                             | Low risk   | 30/10/2018            |
| RPM- HiDip Slides                  | HD047                    | HiDip TSA-MRS                                              | Low risk   | 30/10/2018            |
| RPM- HiSafe Blood Culturing System | LQ003                    | BHI                                                        | Low risk   | 20/12/2012            |
| RPM- HiSafe Blood Culturing System | LQ003A                   | BHI                                                        | Low risk   | 20/12/2012            |
| RPM- HiSafe Blood Culturing System | LQ004                    | BHI - Supplemented w/ 0.05% SPS                            | Low risk   | 20/12/2012            |

|                                    |         |                                                     |          |            |
|------------------------------------|---------|-----------------------------------------------------|----------|------------|
| RPM- HiSafe Blood Culturing System | LQ004R  | BHI - Supplemented w/ 0.05% SPS                     | Low risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ004A  | BHI - Supplemented w/ 0.05% SPS                     | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ004AR | BHI - Supplemented w/ 0.05% SPS                     | Low risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ005   | TSB - Tryptone Soya Broth w/ 10% Sucrose            | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ005A  | TSB - Tryptone Soya Broth w/ 10% Sucrose            | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ006   | Columbia Broth                                      | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ006A  | Columbia Broth                                      | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ007   | Thioglycollate Broth                                | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ007R  | Thioglycollate Broth                                | Low Risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ007A  | Thioglycollate Broth                                | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ007AR | Thioglycollate Broth                                | Low Risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ008   | Schaedler Broth                                     | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ008A  | Schaedler Broth                                     | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ009   | TSB - Tryptone Soya Broth                           | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ009A  | TSB - Tryptone Soya Broth                           | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ010   | Glucose Broth Supplemented w/ 0.05% SPS             | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ010A  | Glucose Broth Supplemented w/ 0.05% SPS             | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ010AR | Glucose Broth Supplemented w/ 0.05% SPS             | Low risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ010V  | Glucose Broth supplemented w/0.05% SPS              | Low risk | 22/04/2019 |
| RPM- HiSafe Blood Culturing System | LQ011   | TSB - Tryptone Soya Broth Supplemented w/ 0.05% SPS | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ011A  | TSB - Tryptone Soya Broth Supplemented w/ 0.05% SPS | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ011AR | TSB - Tryptone Soya Broth Supplemented w/ 0.05% SPS | Low risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ013V  | Hartley Broth                                       | Low risk | 22/04/2019 |
| RPM- HiSafe Blood Culturing System | LQ014   | Modified Wilkins Chalgren Broth                     | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ014A  | Modified Wilkins Chalgren Broth                     | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ012   | HiCombi™ Dual Performance Medium                    | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ012R  | HiCombi™ Dual Performance Medium                    | Low Risk | 10/11/2020 |

|                                    |         |                                                   |          |            |
|------------------------------------|---------|---------------------------------------------------|----------|------------|
| RPM- HiSafe Blood Culturing System | LQ013   | Hartley Broth                                     | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ013A  | Hartley Broth                                     | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ023   | Fluid thioglycollate Medium w/0.05% SPS           | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ023A  | Fluid thioglycollate Medium w/0.05% SPS           | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ029   | HiCombi™ Dual Performance Salmonella Medium - SS  | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ029A  | HiCombi™ Dual Performance Salmonella Medium - SS  | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ029AR | HiCombi™ Dual Performance Salmonella Medium - SS  | Low Risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media     | LQ030   | HiCombi™ Dual Performance Salmonella Medium - XLD | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ030A  | HiCombi™ Dual Performance Salmonella Medium - XLD | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ031   | HiCombi™ Dual Performance Salmonella Medium - DCA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ031A  | HiCombi™ Dual Performance Salmonella Medium - DCA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ031AR | HiCombi™ Dual Performance Salmonella Medium - DCA | Low risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media     | LQ032   | HiCombi™ Dual Performance Salmonella Medium - HEA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ032A  | HiCombi™ Dual Performance Salmonella Medium - HEA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ033   | HiCombi™ Dual Performance Medium                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ033R  | HiCombi™ Dual Performance Medium                  | Low risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media     | LQ034   | HiCombi™ Dual Performance Fungal Medium Kit       | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ034R  | HiCombi™ Dual Performance Fungal Medium Kit       | Low Risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media     | LQ034A  | HiCombi™ Dual Performance Fungal Medium Kit       | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ034AR | HiCombi™ Dual Performance Fungal Medium Kit       | Low Risk | 10/11/2020 |

|                                   |         |                                                  |          |            |
|-----------------------------------|---------|--------------------------------------------------|----------|------------|
| RPM- Ready Prepared Dual Media    | LQ035   | HiCombi™ Dual Performance Selective Medium - HEA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ035A  | HiCombi™ Dual Performance Selective Medium - HEA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ035AR | HiCombi™ Dual Performance Selective Medium - HEA | Low risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media    | LQ036   | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ036R  | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media    | LQ036A  | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ036AR | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 10/11/2020 |
| RPM- Ready Prepared Dual Media    | LQ037   | HiCombi™ Dual Performance Selective Medium - HEA | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ038   | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ038A  | HiCombi™ Dual Performance Selective Medium - SS  | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium | LQ004AI | BHI-Supplemented w/0.05% SPS                     | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium | LQ004AL | BHI-Supplemented w/0.05% SPS                     | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium | LQ004V  | BHI - Supplemented w/ 0.05% SPS                  | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium | LQ0151  | Medium 11. GN Broth                              | Low risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium | LQ069   | Alkaline Peptone Water                           | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium | LQ069R  | Enrichment Medium For Vibrio                     | Low Risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium | LQ070   | Selenite Broth                                   | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium | LQ070V  | Selenite Broth                                   | Low Risk | 25/08/2016 |



|                                    |         |                                                   |          |            |
|------------------------------------|---------|---------------------------------------------------|----------|------------|
| RPM- Ready Prepared Liquid Medium  | LQ077   | BHI Broth                                         | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ077V  | BHI Broth                                         | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ077R  | Enrichment Medium                                 | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium  | LQ079   | Bile Broth                                        | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ079V  | Bile Broth                                        | Low Risk | 22/04/2019 |
| RPM- Ready Prepared Liquid Medium  | LQ080   | Cooked M Medium                                   | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ080C  | Cooked M Medium                                   | Low Risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ080V  | Cooked M Medium                                   | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ088   | Tetrathionate Broth                               | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ089   | Peptone Water                                     | Low risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ089X  | Peptone Water                                     | Low risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ093   | Cooked M Medium w/ Glucose, Hemin & Vitamin K     | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ095   | Hartley Broth w/ 0.05% SPS                        | Low Risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ095A  | Hartley Broth w/ 0.05% SPS                        | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ104   | Rappaport Vassiliadis Salmonella Enrichment Broth | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ104C  | Rappaport Vassiliadis Salmonella Enrichment Broth | Low Risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ104V  | Rappaport Vassiliadis Salmonella Enrichment Broth | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ104XX | Rappaport Vassiliadis Salmonella Enrichment Broth | Low Risk | 28/04/2017 |
| RPM- Ready Prepared Liquid Medium  | LQ105   | Kirchner Medium Base                              | Low Risk | 20/12/2012 |

|                                    |          |                                                     |          |            |
|------------------------------------|----------|-----------------------------------------------------|----------|------------|
| RPM- Ready Prepared Dual Media     | LQ109    | HiCombi™ Dual Performance Trans Isolate Medium      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media     | LQ109R   | HiCombi™ Dual Performance Trans Isolate Medium      | Low risk | 10/11/2020 |
| RPM- Ready Prepared Liquid Medium  | LQ126    | Urea Indole Medium                                  | Low risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ129    | Sabouraud's Dextrose Broth                          | Low risk | 04/07/2018 |
| RPM- Ready Prepared Liquid Medium  | LQ129V   | Sabouraud's Dextrose Broth                          | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium  | LQ132    | Campylo Thioglycollate Broth w/Selective Supplement | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ134    | L Broth                                             | Low Risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ146    | Mannitol Selenite Broth                             | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ157    | GN Broth, Hajna                                     | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ159    | Hayflick Medium                                     | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ170    | Selective Enrichment Medium For Group B             | Low risk | 25/08/2016 |
| RPM- Ready Prepared Liquid Medium  | LQ180V   | Brucella Broth                                      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ181V   | Mannitol Salt Broth                                 | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ182V   | Mueller Hinton Broth                                | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium  | LQ296X   | Hugh Leifson Medium                                 | Low risk | 10/11/2020 |
| RPM- HiSafe Blood Culturing System | LQ188    | HiCombi™ Dual Performance Fungal Medium, Modified   | Low risk | 20/12/2012 |
| RPM- HiSafe Blood Culturing System | LQ208    | Eugonic LT100 Broth                                 | Low Risk | 22/04/2019 |
| RPM- Ready Prepared Liquid Medium  | LQ208L   | Eugonic LT100 Broth                                 | Low risk | 28/04/2017 |
| RPM- Ready Prepared Liquid Medium  | LQ208CCL | Eugonic LT100 Broth                                 | Low risk | 28/04/2017 |

|                                   |           |                                                  |          |            |
|-----------------------------------|-----------|--------------------------------------------------|----------|------------|
| RPM- Ready Prepared Liquid Medium | LQ210C    | BHI Broth                                        | Low risk | 20/12/2012 |
| RPM- Ready Prepared Liquid Medium | LQ210D    | BHI Broth                                        | Low risk | 20/12/2012 |
| RPM- Ready Prepared Dual Media    | LQ241     | HiCombi Trans Isolate Medium                     | Low risk | 28/04/2017 |
| RPM- Ready Prepared Liquid Medium | LQ246CCL  | Sauton's Fluid Medium Base                       | Low risk | 16/12/2017 |
| RPM- Ready Prepared Liquid Medium | LQ314II   | HiMiC™ Diluent                                   | Low risk | 10/11/2020 |
| RPM- Ready Prepared Liquid Medium | LQ319V    | Thioglycollate Medium with Hemin & Vitamin K     | Low risk | 17/06/2021 |
| RPM- Ready Prepared Liquid Medium | LQ319VIII | Thioglycollate Medium with Hemin & Vitamin K     | Low risk | 17/06/2021 |
| RPM- Ready Prepared Liquid Medium | LQ089CCLR | Peptone Water                                    | Low risk | 17/06/2021 |
| RPM -Ready Prepared Plates        | MP001     | Nutrient Agar Plate                              | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP001L    | Nutrient Agar Plate (150mm plate)                | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP015     | Hoyle's Media Plate with supplements.            | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP016     | Brilliant Green Agar, Modified Plate             | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates        | MP022     | EMB Agar, Levine Plate                           | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP023     | Vogel Johnson Agar Plate (V.J. Agar Plate)       | Low Risk | 22/04/2019 |
| RPM -Ready Prepared Plates        | MP024     | Cetrimide Agar Plate                             | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP029     | Endo Agar Plate                                  | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP031     | Xylose Lysine Deoxycholate Agar (XLD Agar) Plate | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP043     | Baird Parker Agar Plate                          | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates        | MP043L    | Baird Parker Agar Plate                          | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates        | MP043M    | Baird Parker Agar Plate (150mm)                  | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates        | MP049     | Violet Red Bile Agar Plate                       | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates        | MP063     | Sabouraud Dextrose Agar Plate                    | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates        | MP063L    | Sabouraud Dextrose Agar Plate (150 mm plate)     | Low Risk | 20/12/2012 |

|                            |          |                                                                     |          |            |
|----------------------------|----------|---------------------------------------------------------------------|----------|------------|
| RPM -Ready Prepared Plates | MP063M   | Sabouraud Dextrose Agar Plate (120 mm plate)                        | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP065    | Deoxycholate Citrate Agar Plate                                     | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP073    | Blood Agar Plate                                                    | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP074    | Brucella Agar Plate                                                 | Low Risk | 22/04/2019 |
| RPM -Ready Prepared Plates | MP081    | MacConkey Agar w/ 0.15% Bile Salts, CV and NaCl Plate               | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP081XL  | MacConkey Agar w/ 0.15% Bile Salts, CV and NaCl Plate (200mm plate) | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP082    | MacConkey Agar w/o CV, NaCl w/ 0.5% Sodium Taurocholate Plate       | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP091    | Plate Count Agar Plate                                              | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP103    | Chocolate Agar Plate                                                | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP108    | SS Agar (Salmonella Shigella Agar) Plate                            | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1032   | SS Agar Plate, Modified (Salmonella Shigella Agar Plate, Modified)  | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1039   | Brucella Agar Plate with Hemin & Vitamin K1                         | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1057   | G. vaginalis Selective Agar Plate                                   | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1067   | Sabouraud Chloramphenicol Agar Plate                                | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1084   | Mueller Hinton Agar No. 2 Plate                                     | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1084HB | Mueller Hinton Agar No.2 Plate w/ Horse Blood                       | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1084SB | Mueller Hinton Agar No.2 Plate w/ Sheep Blood                       | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1139   | Modified MYP Agar Plate                                             | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP118    | Mannitol Salt Agar Plate                                            | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1259   | Haemophilus Test Agar Plate                                         | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1260   | Tellurite Blood Agar Plate                                          | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1295   | HiCrome™ E.coli Agar Plate                                          | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1297A  | HiCrome™™ Candida Differential Agar Plate                           | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1301   | Sheep Blood Agar Plate                                              | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1301C  | Sheep Blood Agar Plate (Individually Packed)                        | Low risk | 28/04/2017 |
| RPM -Ready Prepared Plates | MP1301M  | Sheep Blood Agar Plate                                              | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP1345   | Anaerobic Blood Agar Plate w/Neomycin                               | Low risk | 30/10/2018 |

|                            |         |                                                                                  |          |            |
|----------------------------|---------|----------------------------------------------------------------------------------|----------|------------|
| RPM -Ready Prepared Plates | MP1353  | HiCrome™ UTI Agar Plate                                                          | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP137   | Malt Extract Agar Plate                                                          | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP144   | Columbia 5% Sheep Blood Agar Plate                                               | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1418  | HiCrome™ UTI Agar Plate, Modified                                                | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1454  | Oxacillin Resistant Screening Agar Plate                                         | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1540I | HiCrome™ Listeria Ottaviani Agosti Agar Plate                                    | Low Risk | 17/06/2021 |
| RPM -Ready Prepared Plates | MP1548  | Chocolate No. 2 Agar Plate                                                       | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1594  | MeReSa Agar Plate                                                                | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP160   | DCLS Agar Plate                                                                  | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1600  | HiCrome™ Universal Agar Plate                                                    | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1640  | Burkholderia Cepacia Agar Plate                                                  | Low Risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP1674  | HiCrome™ MeReSa Agar Plate                                                       | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1682  | HiCrome™ Vibrio Agar Plate                                                       | Low Risk | 17/06/2021 |
| RPM -Ready Prepared Plates | MP1702  | MacConkey Agar RS Plate                                                          | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP173   | Mueller Hinton Agar Plate                                                        | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP173C  | Mueller Hinton Agar Plate (100 mm Plate)                                         | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP173L  | Mueller Hinton Agar Plate (150mm plate)                                          | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP173M  | Mueller Hinton Agar Plate (120mm plate)                                          | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP173XL | Mueller Hinton Agar Plate (200mm plate)                                          | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP173SP | Mueller Hinton Agar Plate (150 mm scored plate)                                  | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP175   | Bordet Gengou Agar Plate w/15% Sheep blood                                       | Low Risk | 25/08/2016 |
| RPM -Ready Prepared Plates | MP175SB | Bordet Gengou Agar Plate with 25% Sheep Blood                                    | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1763  | VRE Agar Plate                                                                   | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP180   | Lead Acetate Agar Plate                                                          | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1806  | Mueller Hinton Agar plate w/ 5% Sheep Blood                                      | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1806M | Mueller Hinton Agar plate w/ 5% Sheep Blood                                      | Low Risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP1811  | OFBL Agar Plate (Oxidation Fermentation Polymyxin Bacitracin Lactose Agar Plate) | Low risk | 10/11/2020 |

|                            |         |                                                            |          |            |
|----------------------------|---------|------------------------------------------------------------|----------|------------|
| RPM -Ready Prepared Plates | MP1825  | Mueller Hinton Agar Plate with 2% Glucose w/Methylene Blue | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1829  | HiCrome™ ESBL Agar Plate                                   | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1831  | HiCrome™ KPC Agar Plate                                    | Low Risk | 28/04/2017 |
| RPM -Ready Prepared Plates | MP1837  | HiCrome™ Staph Agar Plate, Modified                        | Low Risk | 28/04/2017 |
| RPM -Ready Prepared Plates | MP1858  | Bifidobacterium Agar Modified Plate                        | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP188   | D.T.M Agar Plate                                           | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1832  | HiCrome™ Coliform Agar Plate, Modified                     | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP1925  | HiCrome™ VRE Agar Plate                                    | Low Risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1938  | HiCrome™ Acinetobacter Agar Plate                          | Low Risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP1947  | Enriched Tryptone Soya Agar Plate (ETSA)                   | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1948  | Tryptone Soya Serum Bacitracin Vancomycin Agar (TSBV)      | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1949  | Tryptone Soya Agar w/ Hemin & Menadione                    | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP1966  | HiCrome™ Strep B Selective Agar Plate                      | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP1974  | HiCrome™ Rapid MRSA Agar Plate                             | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates | MP2062I | HiCrome™ Cronobacter Isolation Agar Plate (CCI Agar Plate) | Low risk | 17/06/2021 |
| RPM -Ready Prepared Plates | MP2085  | Martin Lewin Agar                                          | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP2089  | Burkholderia cepacia Selective Agar Plate                  | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP211   | BHI Agar Plate                                             | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP2116  | HiCrome™ Salmoconfirm Selective Agar Plate                 | Low risk | 17/06/2021 |
| RPM -Ready Prepared Plates | MP217   | Bi.G.G.Y. Agar Plate (Nickerson Agar Plate)                | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP291   | Schaedler Agar Plate                                       | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP1296  | HiCrome™ Salmonella Agar Plate                             | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP298   | MacConkey Sorbitol Agar Plate                              | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP317   | EMB Agar Plate                                             | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP406   | Pseudomonas Isolation Agar Plate                           | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP413   | Thayer Martin Agar Plate w/VCNT                            | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP467   | Hektoen Enteric Agar Plate                                 | Low risk | 04/07/2018 |

|                            |        |                                                              |          |            |
|----------------------------|--------|--------------------------------------------------------------|----------|------------|
| RPM -Ready Prepared Plates | MP491  | Anaerobic Agar (Brewer) Plate                                | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP540  | Phenylethyl Blood Agar Plate w/ 5% Sheep Blood               | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates | MP5269 | Modified Nickerson Medium                                    | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5208 | CNA Agar Plate with 5% Sheep Blood                           | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates | MP5304 | Blood agar Plate w/5mg/l Gentamicin                          | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates | MP5316 | Chocolate Agar Plate w/ 5% Sheep Blood                       | Low risk | 28/04/2017 |
| RPM -Ready Prepared Plates | MP5332 | Sabouraud Dextrose Agar Plate w/Chloramphenicol & gentamicin | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP5333 | Chocolate Agar Plate w/ Bacitracin                           | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP5334 | Sabouraud Dextrose Agar plate w/Penicillin & Streptomycin    | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP5339 | Regan Lowe Agar Plate (Charcoal Blood Plate w/Cephalexin)    | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP5340 | Bordet Gengou Blood Agar Plate w/Cephalexin                  | Low risk | 16/12/2017 |
| RPM -Ready Prepared Plates | MP5380 | BHI Agar Plate w/ Blood                                      | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5381 | BHI Agar Plate w/ Vancomycin                                 | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5382 | BHI Blood agar plate w/ Vancomycin                           | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5383 | BCYE Selective Agar Plate                                    | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5384 | GBS Agar                                                     | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5386 | Sabouraud Dextrose Agar Plate w/Gentamicin                   | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5387 | Sabouraud Dextrose Agar Plate w/ Cycloheximide               | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5389 | Mueller Hinton Agar Plate w/ 2% NaCL                         | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5390 | Helicobacter Pylori Selective Agar                           | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates | MP5476 | Mucormycosis Selective Agar Plate                            | Low risk | 10/06/2021 |
| RPM -Ready Prepared Plates | MP5477 | Candida Selective Agar Plate                                 | Low risk | 10/06/2021 |
| RPM -Ready Prepared Plates | MP511  | Middlebrook 7H11 Agar w/TCH                                  | Low risk | 04/07/2018 |
| RPM -Ready Prepared Plates | MP5426 | Middlebrook 7H11 Agar w/ PANTA supplement                    | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates | MP616  | Tergitol-7 Agar Plate                                        | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates | MP641  | MRS Agar Plate                                               | Low risk | 28/04/2017 |
| RPM -Ready Prepared Plates | MP636C | MYP Agar Plate (100mm plate)                                 | Low risk | 10/11/2020 |

|                                      |         |                                                                                    |          |            |
|--------------------------------------|---------|------------------------------------------------------------------------------------|----------|------------|
| RPM -Ready Prepared Plates           | MP641-I | MRS Agar w/ 10 ppm cycloheximide                                                   | Low risk | 28/04/2017 |
| RPM -Ready Prepared Plates           | MP664   | Sabouraud Dextrose Agar Plate w/Chloramphenicol (50mg/L) and Cycloheximide 500mg/L | Low Risk | 20/12/2012 |
| RPM -Ready Prepared Plates           | MP792   | CLED Agar w/ Bromothymol Blue Plate                                                | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates           | MP805   | Bacteroides Bile Esculin Agar Plate                                                | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates           | MP813I  | BCYE Agar Plate                                                                    | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates           | MP843   | Yersinia Selective Agar Plate                                                      | Low risk | 30/10/2018 |
| RPM -Ready Prepared Plates           | MP870   | TCBS Agar Plate                                                                    | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates           | MP975A  | Anaerobic Blood Agar Plate                                                         | Low risk | 25/08/2016 |
| RPM -Ready Prepared Plates           | MP994   | Campylobacter Agar Plate                                                           | Low risk | 20/12/2012 |
| RPM -Ready Prepared Plates           | MPV081  | MacConkey HiVeg™ Agar Plate w/ CV, NaCl, 0.003% NR and 1.5% Agar Plate             | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates           | MPV173  | Mueller Hinton HiVeg™ Agar Plate                                                   | Low risk | 10/11/2020 |
| RPM -Ready Prepared Plates           | QP001   | Middlebrooke 7H11 Agar Plate                                                       | Low risk | 04/07/2018 |
| RPM- Transport Medium w/ swabs       | MQ651P  | HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal                             | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MQ5203P | HiCulture™ Transport Swab w/ Enteric Pathogen Transport Medium                     | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MQ306P  | HiCulture™ Transport Swabs w/ Stuart Transport Medium                              | Low risk | 20/12/2012 |
| RPM- Viral Transport Medium w/ swabs | AL167   | HiViral Transport Medium                                                           | Low risk | 20/12/2012 |
| RPM- Viral Transport Medium w/ swabs | MS052A  | HiCulture™ Transport Swabs w/Selenite Medium (A)                                   | Low risk | 25/08/2016 |
| RPM- Viral Transport Medium w/ swabs | MS316   | HiCulture™ Transport Swabs w/CVTR Medium                                           | Low risk | 20/12/2012 |
| RPM- Viral Transport Medium w/ swabs | MS316S  | HiCulture™ Transport Swabs w/CVTR Medium                                           | Low risk | 10/11/2020 |
| RPM- Viral Transport Medium w/ swabs | MS316SR | HiCulture™ Transport Swabs w/CVTR Medium w/metal stick                             | Low risk | 10/11/2020 |
| RPM- Viral Transport Medium w/ swabs | MS316A  | HiCulture™ Transport Swabs w/CVTR Medium,Modified                                  | Low risk | 25/08/2016 |
| RPM- Viral Transport Medium w/ swabs | MS1145  | HiCulture™ Listeria Isolation and Transport Swabs                                  | Low risk | 20/12/2012 |
| RPM- Viral Transport Medium w/ swabs | MS1145R | HiCulture™ Listeria Isolation and Transport Swabs                                  | Low risk | 10/11/2020 |



|                                      |         |                                                                                                         |          |            |
|--------------------------------------|---------|---------------------------------------------------------------------------------------------------------|----------|------------|
| RPM- Viral Transport Medium w/ swabs | MS1145S | HiCulture™ Listeria Isolation and Transport Swabs with metal stick                                      | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS1514  | HiCulture™ Transport swabs w/Modified Campylobacter Thioglycollate Medium                               | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS1514R | HiCulture™ Transport swabs w/Modified Campylobacter Thioglycollate Medium in polystyrene tube           | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS1557  | HiCulture™ Transport swabs w/BHI broth for H.pylori                                                     | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS1759  | HiCulture™ Transport swabs                                                                              | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS2016A | HiCulture™ Transport Swabs w/ Soyabean Casein Digest Medium w/6.5% NaCl                                 | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS2016B | HiCulture™ Transport Swabs w/ Soyabean Casein Digest Medium w/6.5% NaCl                                 | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS202   | HiCulture™ Transport Swabs w/ Cary Blair Medium                                                         | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS202A  | HiCulture™ Transport Swabs w/ Cary Blair Medium (A)                                                     | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS202R  | HiCulture™ Transport Swabs w/ Cary Blair Medium in polystyrene tube                                     | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS202S  | HiCulture™ Transport Swabs w/ Cary Blair Medium with metal stick                                        | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS2055  | HiCulture™ Transport Medium for Helicobacter pylori                                                     | Low risk | 28/04/2017 |
| RPM- Transport Medium w/ swabs       | MS2127  | HiCulture™ Transport Swab w/ Todd Hewitt Broth w/Colistin & Nalidixic Acid                              | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS306   | HiCulture™ Transport Swabs w/ Stuart Transport Medium                                                   | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS306R  | HiCulture™ Transport Swabs w/ Stuart Transport Medium                                                   | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS306S  | HiCulture™ Transport Swabs w/ Stuart Transport Medium with metal stick                                  | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS5002  | HiCulture™ Transport Swabs w/ 0.85% Sodium chloride and 0.1% Buffered Ppetone Water in polystyrene tube | Low risk | 04/07/2018 |
| RPM- Transport Medium w/ swabs       | MS5215  | HiViral™ Transport Medium for Cloacal Samples                                                           | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS5296  | HiCulture™ Skim Milk Tryptone Glucose Glycerin Medium swabs                                             | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs       | MS5321  | HiCulture Sterile swabs w/ 0.9% Saline                                                                  | Low risk | 22/04/2019 |
| RPM- Transport Medium w/ swabs       | MS651   | HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal                                                  | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS651R  | HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal in polystyrene tube                              | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS651S  | HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal with metal stick                                 | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS651SR | HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal with metal stick                                 | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS684   | HiCulture™ Transport Swabs w/ Amies Medium w/o Charcoal                                                 | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs       | MS684R  | HiCulture™ Transport Swabs w/ Amies Medium w/o Charcoal in polystyrene tube                             | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs       | MS684A  | HiCulture™ Transport Swabs w/ Amies Medium (A)                                                          | Low risk | 25/08/2016 |

|                                |         |                                                                                     |          |            |
|--------------------------------|---------|-------------------------------------------------------------------------------------|----------|------------|
| RPM- Transport Medium w/ swabs | MS684B  | HiCulture™ Transport Swabs w/ Amies Medium (B)                                      | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs | MS684C  | HiCulture™ Transport Swabs w/ Amies Medium (C)                                      | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs | MS684D  | HiCulture™ Transport Swabs w/ Amies Medium (D)                                      | Low risk | 25/08/2016 |
| RPM- Transport Medium w/ swabs | MS684S  | HiCulture™ Transport Swabs w/ Amies Medium w/o Charcoal with metal stick            | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS010   | HiCulture™ Transport Swabs w/ Alternative Thioglycollate Medium                     | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS010R  | HiCulture™ Transport Swabs w/ Alternative Thioglycollate Medium in polystyrene tube | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs | MS010S  | HiCulture™ Transport Swabs w/ Alternative Thioglycollate Medium with metal stick    | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS113   | HiCulture™ Transport Swabs w/ Chlamydospore Medium                                  | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS113R  | HiCulture™ Transport Swabs w/ Chlamydospore Medium in polystyrene tube              | Low risk | 10/11/2020 |
| RPM- Transport Medium w/ swabs | MS113S  | HiCulture™ Transport Swabs w/ Chlamydospore Medium with metal stick                 | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS198S  | HiCulture™ Transport Swab w/ Middlebrook 7H9 Broth w/metal stick                    | Low risk | 20/12/2012 |
| RPM- Transport Medium w/ swabs | MS5478  | HiFungal Transport medium w/ Swab                                                   | Low risk | 10/06/2021 |
| RPM- Ready Prepared Medium     | MT001   | Modified Middlebrook 7H9 Broth with Indicator                                       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001   | L.J. Medium Slant                                                                   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001H  | L.J. Medium in glass bottle                                                         | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants         | SL001B  | L.J. Medium Slant                                                                   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001L  | L.J. Medium Slant in long tube                                                      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001LD | L.J. Medium Slant (in long tube)                                                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001M  | L.J.Medium Slant (In Medium Length tube)                                            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001T  | L.J. Medium Slant in thick glass bottles                                            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL001X  | L.J. Medium Slant                                                                   | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants         | SL002   | L.J.Medium Kit                                                                      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL003   | L.J.Medium Plus Kit                                                                 | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL004   | L.J.Medium w/ Pyruvate                                                              | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL004L  | L.J.Medium w/ Pyruvate (0.2%)                                                       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL005   | L.J.Medium w/ Streptomycin (4 mcg/ml)                                               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants         | SL005L  | L.J.Medium w/Streptomycin (4 mcg / ml)                                              | Low risk | 20/12/2012 |

|                        |         |                                                      |          |            |
|------------------------|---------|------------------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants | SL006   | L.J.Medium w/ INH                                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL007   | L.J.Medium Slant w/ Rifampicin (40µg/ml)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL008   | Acid Egg Medium Slant                                | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL009   | Acid Egg Medium Slant w/ pyruvate                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL010   | Modified L. J. Medium Plus Kit                       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL011   | L.J. Medium Slant w/ Ciprofloxacin                   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL011L  | L.J. Medium Slant w/ Ciprofloxacin (12.5 mcg/ml)     | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL012   | L.J. Medium Slant w/ Amikacin                        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL013   | L.J. Medium Slant w/ Clarithromycin                  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL014   | L.J. Medium Slant w/Ethionamide (20µg/ml)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL015   | L.J. Medium Slant w/Rifabutin (0.5 µg/ml)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL016   | L. J. Medium Plus Kit w/ kanamycin µg/ml)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL017   | L.J. Medium Slant w/ D-Cycloserine (30 µg/ml)        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL017L  | L.J. Medium Slant w/ D-Cycloserine (30 µg/ml)        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL018   | L.J.Medium w/Pyrazinamide of pH 5.5                  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL018L  | L.J. Medium Slant w/ Pyrazinamide pH 5.5             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL019   | L.M. Slant (Loeffler Medium)                         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL020   | L.J. Medium w/TCH                                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL021   | L.J. Medium Slant w/ p-Nitrobenzoic acid (500 µg/ml) | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL021L  | L.J. Medium Slant w/ p-Nitrobenzoic acid             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL022   | L.J. Medium Slant w/o Glycerol                       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL023   | Tuberculosis First Line Kit (Total 7 slants)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL023L  | Tuberculosis First Line Kit (Total 7 slants)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL023LD | Tuberculosis First Line Kit (Total 7slants)          | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL023R  | Tuberculosis First Line Kit (Total 7 slants)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL024   | Tuberculosis Second Line Kit (Total 10 slants)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants | SL024L  | Tuberculosis Second Line Kit (Total 10 slants)       | Low risk | 20/12/2012 |

|                            |         |                                                     |          |            |
|----------------------------|---------|-----------------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants     | SL024LD | Tuberculosis Second Line Kit (Total 10 slants)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL024R  | Tuberculosis Second Line Kit (Total 8 slants)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL025   | Dorset Egg Medium Slant                             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL026   | L.J. Medium Slant w/Streptomycin (5mcg)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL027   | L.J. Medium Slant w/Ethambutol (2mcg)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL029   | L.J. Medium Slant w/P-Amino Salicylic acid          | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL029L  | L.J. Medium Slant w/ p-Aminosalicylic acid          | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL031   | Dermatophyte Test Medium Slant                      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL032   | Kligler Iron Agar Slant                             | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL033   | Motility Indole Lysine Agar Slant                   | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL034   | Simmons Citrate Agar Slant                          | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL034T  | Simmon Citrate Agar Slant in long tubes             | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL035   | Urea Agar Slant                                     | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL035T  | Urea Agar Slant in Tube                             | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL036   | Sabouraud Dextrose Agar Slant                       | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL036L  | Sabouraud Dextrose Agar Slant                       | Low risk | 08/12/2017 |
| RPM- L.J.Medium Slants     | SL037   | Tuberculosis First Line Plus Kit (Total 9 slants)   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL037R  | Tuberculosis First Line Plus Kit (9 slants)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL038   | Tuberculosis Second Line Plus Kit (Total 11 slants) | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL038R  | Tuberculosis Second Line Plus Kit (11 slants)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL038U  | Lowenstein - Jensen Medium Slant with tu            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL040   | L.J. Medium Slant w/ Moxifloxacin                   | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL041   | Gelatin Agar Slant                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL042   | MIU Medium Slant                                    | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL043   | Nitrate Agar Slant                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL044   | Phenyl Alanine Agar Slant                           | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL045   | Triple Sugar Iron Agar Slant                        | Low risk | 20/12/2012 |

|                            |        |                                                         |          |            |
|----------------------------|--------|---------------------------------------------------------|----------|------------|
| RPM- Ready Prepared Slants | SL045T | Triple Sugar Iron Agar Slant in Tube                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL047  | L.J.Medium Slant w/ Ethambutol (2µg/ml)                 | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL049  | L.J. Medium Slant w/ Ofloxacin (2 µg/ml)                | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL049L | L.J Medium Slant w/ Ofloxacin (2µg/ml) (long tube)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL055L | L.J.Medium Slant w/ Isoniazide (0.2 mcg/ml)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL061  | L.J. Medium Slant w/ Pyrazinamide (50 µg/ml)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL066  | L.J. Medium Slant w/ Capreomycin (20 µg/ml)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL067  | L.J. Medium Slant w/ Capreomycin (40 µg/ml)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL067L | L.J Medium Slant w/ Capreomycin (40 µg/ml) (long tube)  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL067X | L.J Medium Slant w/ Capreomycin (40 µg/ml)              | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL070  | L.J. Medium Slant w/ D-Cycloserine (40 µg/ml)           | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL071  | L.J. Medium Slant w/ Ethambutol (4 µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL072  | L.J. Medium Slant w/ Ethambutol (5 µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL076  | L.J. Medium Slant w/Ethionamide (40µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL078  | L.J. Medium Slant w/ Isoniazide (0.2 µg/ml)             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL079  | L.J. Medium Slant w/ Isoniazide (5 µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL081  | L.J. Medium Slant w/ Kanamycin (20 µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL081L | L.J. Medium Slant w/ Kanamycin (20µg/ml)                | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL082  | L.J. Medium Slant w/ Kanamycin (30 µg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL091  | L.J. Medium Slant w/ p-Aminosalicylic acid (0.25 µg/ml) | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL092  | L.J. Medium Slant w/ p-Aminosalicylic acid (0.5 µg/ml)  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL092L | L.J. Medium Slant w/ p-Aminosalicylic acid              | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL094  | L.J. Medium Slant w/ Ciprofloxacin 2µg/ml               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL098  | L.J. Medium Slant w/ Pyruvate (0.2%)                    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL099  | L.J.Medium Slants w/ Isoniazid (0.2 µg/ml)              | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL105L | L.J.Medium Slant w/ Rifampicin (20mcg/ml)               | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL107  | L.J. Medium Slant w/ Rifampicin (50 µg/ml)              | Low risk | 20/12/2012 |

|                            |        |                                               |          |            |
|----------------------------|--------|-----------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants     | SL109  | L.J. Medium Slant w/ Streptomycin (8 µg/ml)   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL110  | L.J. Medium Slant w/ Streptomycin (25 µg/ml)  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL115  | L.J. Medium Slant w/ Pyrazinamide of pH 5.5   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL115L | L.J. Medium Slant w/ Pyrazinamide pH 5.5      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL116  | Rapid UTI Diagnostic Slants                   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL120L | L.J. Medium Slant pH 5.5                      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL121  | HiPyrazide glass tube w/ PYZ agar             | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL121R | HiPyrazide glass tube w/ PYZ agar             | Low risk | 10/11/2020 |
| RPM- L.J.Medium Slants     | SL122  | HiCatalase glass tubes w/ 5ml of L.J. medium  | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL122R | HiCatalase glass tubes w/ 5ml of L.J. medium  | Low risk | 10/11/2020 |
| RPM- L.J.Medium Slants     | SL123  | Tuberculosis first line plus kit (Modified)   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL124  | L.J. Medium slant (Tubes with Aluminium caps) | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL125  | L.J. Medium w/Isoniazid (1.0µg/ml) (Tube      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL125L | L.J.Medium Slant w/ Isoniazide (1mcg/ml)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL125M | L.J.Medium Slant w/ Isoniazid in Maccart      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL125X | L. J. Medium Slant w/ Isoniazide (1µg/ml)     | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL126  | L.J. Medium w/Rifampicin (40.0µg/ml)          | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL126L | L.J.Medium Slant w/ Rifampicin (40mcg/ml)     | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL126M | L.J.Medium Slant w/ Rifampicin in Maccar      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL126X | L. J. Medium Slant w/ Rifampicin (40.0 µg/ml) | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL127  | L.J. Medium w/Ethambutol (2.0µg/ml)           | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL127L | L.J. Medium Slant w/Ethambutol (2µg/ml)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL127X | L. J. Medium Slant w/ Ethambutol (2.0 µg/ml)  | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL128  | L.J. Medium w/Streptomycin (10.0µg/ml)        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL128L | L.J.Medium w/Streptomycin - 10mcg / Ml        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL129  | L.J. Medium w/Ethionamide (30.0µg/ml)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL130  | L.J. Medium w/Kanamycin (30.0µg/ml)           | Low risk | 20/12/2012 |

|                            |        |                                               |          |            |
|----------------------------|--------|-----------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants     | SL130L | L.J. Medium Slant w/ Kanamycin (30µg/ml)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL131  | L.J. Medium w/Ofloxacin (2.0µg/ml)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL132  | L.J. Medium w/Capreomycin (30.0µg/ml)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL133  | L.J. Medium w/P-aminosalicylic acid (1.0      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL136L | Tuberculosis Second Line Kit, Modified        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL141  | Modified L. J. Medium Plus Kit                | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL142  | Cystine Tryptone Agar with 1% Sugars          | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL143  | Tuberculosis First Line Kit, Modified         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL144  | L.J Medium slant w/ Amikacin (1.0 µg/ml)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL147  | L.J. Medium Slant w/Rifampicin (64µg/ml)      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL148  | L.J. Medium Slant w/Ethambutol (6µg/ml)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL149  | L.J. Medium Slant w/Streptomycin (16µg/ml)    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL150  | L.J Medium slant w/ Streptomycin (32 µg/ml)   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL151  | TB Five Antitubercular Kit w/o Control        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL152  | Kit for Mycobioframe in Lowenstein Jensen     | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL153  | Tuberculosis First Line Plus Kit (Modified)   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL154  | L.J. Medium Plus Kit (total 9 slants)         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL155L | L.J. Medium Slant w/ TCH                      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL156  | L.J.Medium Slant w/Rifampicin (128 µg /ml)    | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL157  | L.J.Medium Slant w/Pyrazinamide pH 5.5        | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL158  | L.J.Medium Slant w/Ethambutol (8 µg/ml)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL159  | L.J. Medium Slant w/Ethambutol (16 µg/ml)     | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL160L | Tuberculosis kit with antitubercular Age      | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL161  | L.J. Medium Slant w/ Ciprofloxacin (16 µg/ml) | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL162  | L.J. Medium Slant w/ Ciprofloxacin            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL163  | L.J. Medium Slant w/Amikacin (20 µg/ml)       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL164  | L.J. Medium Slant w/Amikacin (700 µg/ml)      | Low risk | 20/12/2012 |

|                            |        |                                                                  |          |            |
|----------------------------|--------|------------------------------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants     | SL165L | L.J.Medium w/ Pyruvate (0.48%)                                   | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL166L | Tuberculosis kit with antitubercular Agent                       | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL167  | L.J. Medium slants w/ Augmentin(20µg/ml)                         | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL168  | L.J.Medium Slant w/ Ofloxacin (40µg/ml)                          | Low risk | 25/08/2016 |
| RPM- L.J.Medium Slants     | SL168L | L.J.Medium Slant w/ Ofloxacin (40µg/ml) (long tube)              | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL169  | L.J.Medium Slant w/ Ethionamide (20µg/ml)                        | Low risk | 25/08/2016 |
| RPM- L.J.Medium Slants     | SL169L | L.J.Medium Slant w/ Ethionamide (20µg/ml) (long tube)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL170L | L.J Medium Slant w/ Ethionamide (40µg/ml) (long tube)            | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL170X | L.J Medium Slant w/ Ethionamide (40 µg/ml)                       | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL171L | L.J Medium Slant w/ p-Amino salicylic acid (1µg/ml) (long tube)  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL172  | Chocolate Agar Slant                                             | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL173  | Nutrient Agar Slant                                              | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL174  | B.C.G.-Dextrose Agar Butt (Synder Test Agar)                     | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL175L | L.J.Medium Slant w/ Amikacin (30mcg/ml)                          | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL175X | L. J. Medium Slant w/ Amikacin (30 mcg/ml)                       | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL176L | L.J.Medium Slant w/ Ofloxacin (4mcg/ml)                          | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL177  | Tuberculosis First Line Kit, Modified (Total 5 slants)           | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL179  | L.J.Slopes for BCG Vaccines                                      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL180  | BHI Agar Slant w/5% Sheep Blood                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL181  | BHI Agar Slant w/10 % Sheep Blood,Chloramphenicol and Gentamicin | Low risk | 20/12/2012 |
| RPM- Ready Prepared Slants | SL182  | BHI CC Agar Slant w/10 % Sheep Blood and Gentamicin              | Low risk | 20/12/2012 |
| RPM- L.J.Medium Slants     | SL187  | L.J.Medium slants w/ LCN Supplement                              | Low risk | 25/08/2016 |
| RPM- L.J.Medium Slants     | SL188L | L.J.Medium Slant w/ Levofloxacin (2 mg/ml)                       | Low risk | 16/12/2017 |
| RPM- L.J.Medium Slants     | SL188X | L.J Medium Slant w/ Levofloxacin (2 µg/ml)                       | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL189L | L.J.Medium Slant w/ Levofloxacin (2.5 mg/ml)                     | Low risk | 16/12/2017 |
| RPM- L.J.Medium Slants     | SL189X | L.J Medium Slant w/ Moxifloxacin (2.5 µg/ml)                     | Low risk | 17/06/2021 |
| RPM- L.J.Medium Slants     | SL190  | L.J.Medium Slant w/ Rifampicin (20mcg/ml)                        | Low risk | 04/07/2018 |



|                                  |          |                                                |          |            |
|----------------------------------|----------|------------------------------------------------|----------|------------|
| RPM- L.J.Medium Slants           | SL191    | L.J.Medium Slant w/ Amikacin (8mcg/ml)         | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL192    | L.J.Medium Slant w/ Ofloxacin (5mcg/ml)        | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL193    | L.J.Medium Slant w/ Levofloxacin (5 mcg/ml)    | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL194    | L.J.Medium Slant w/ Ethionamide (5 mcg/ml)     | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL195    | L.J.Medium Slant w/ Ethionamide (25 mcg/ml)    | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL196    | L.J.Medium Slant w/ Prothionamide (5 mcg/ml)   | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL197    | L.J.Medium Slant w/ Prothionamide (25 mcg/ml)  | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL198    | L.J.Medium Slant w/ Linezolid (30 mcg/ml)      | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL199    | L.J.Medium Slant w/ Clofazimine (1 mcg/ml)     | Low risk | 04/07/2018 |
| RPM- L.J.Medium Slants           | SL202    | Middlebrook 7H10 Agar Slant                    | Low risk | 30/10/2018 |
| RPM- L.J.Medium Slants           | SL204    | L.J. Medium Slant w/ Prothionamide (40 mcg/ml) | Low risk | 22/04/2019 |
| RPM- L.J.Medium Slants           | SL205    | L.J. Medium Slant w/ Amikacin (40 mcg/ml)      | Low risk | 22/04/2019 |
| RPM- L.J.Medium Slants           | SL211    | BHI Agar Slant                                 | Low risk | 30/10/2018 |
| RPM- L.J.Medium Slants           | SL1067L  | Sabouraus Chloramphenicol Agar Slant           | Low risk | 16/12/2017 |
| RPM- Ready Prepared Solid Medium | SM001    | Nutrient Agar                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM001CCL | Nutrient Agar                                  | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM001D   | Nutrient Agar                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM016C   | Brilliant Green Agar, Modified                 | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM027C   | Bismuth Sulphite Agar                          | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM049C   | Violet Red Bile Agar                           | Low risk | 17/06/2021 |
| RPM- Ready Prepared Solid Medium | SM049D   | Violet Red Bile Agar                           | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM063    | Sabouraud Dextrose Agar                        | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM063D   | Sabouraud Dextrose Agar                        | Low risk | 25/08/2016 |

|                                  |           |                                           |          |            |
|----------------------------------|-----------|-------------------------------------------|----------|------------|
| RPM- Ready Prepared Solid Medium | SM078     | Kligler Iron Agar                         | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM081     | MacConkey Agar                            | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM081D    | MacConkey Agar                            | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM082     | MacConkey Agar                            | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM082D    | MacConkey Agar                            | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM091     | Plate Count Agar                          | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM091D    | Plate Count Agar                          | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM091DCC  | Plate Count Agar                          | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM091M    | Plate Count Agar                          | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM103A    | Modified Chocolate Agar Kit w/o Selective | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM103AR   | Modified Chocolate Agar kit w/osupplement | Low risk | 10/11/2020 |
| RPM- Ready Prepared Solid Medium | SM103H    | Modified Chocolate Agar kit               | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM103HR   | Modified Chocolate Agar kit w/supplement  | Low risk | 10/11/2020 |
| RPM- Ready Prepared Solid Medium | SM1067    | Sabouraud Chloramphenicol Agar Plate      | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM1067C   | Sabouraud Chloramphenicol Agar Plate      | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM1067D   | Sabouraud Chloramphenicol Agar            | Low risk | 17/06/2021 |
| RPM- Ready Prepared Solid Medium | SM1067CCL | Sabouraud Chloramphenicol Agar Plate      | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM1296D   | HiCrome™ Salmonella Agar                  | Low risk | 04/07/2018 |

|                                  |          |                                           |          |            |
|----------------------------------|----------|-------------------------------------------|----------|------------|
| RPM- Ready Prepared Solid Medium | SM1297A  | HiCrome™ Candida Differential Agar        | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM1353   | HiCrome™ UTI Agar                         | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM1353CC | HiCrome™ UTI Agar                         | Low risk | 04/07/2018 |
| RPM- Ready Prepared Solid Medium | SM154D   | Reinforced Clostridial Agar               | Low risk | 10/11/2020 |
| RPM- Ready Prepared Solid Medium | SM173    | Mueller Hinton Agar                       | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM173CCL | Mueller Hinton Agar                       | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM173D   | Mueller Hinton Agar                       | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM211    | BHI Agar                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM211D   | BHI Agar                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM331C   | Wilson Blair Agar                         | Low risk | 22/04/2019 |
| RPM- Ready Prepared Solid Medium | SM434    | GC Agar                                   | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM434R   | Modified GC Agar Kit                      | Low risk | 10/11/2020 |
| RPM- Ready Prepared Solid Medium | SM434H   | GC Agar,Modified                          | Low risk | 25/08/2016 |
| RPM- Ready Prepared Solid Medium | SM467    | Hektoen Enteric Agar                      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM467D   | Hektoen Enteric Agar                      | Low risk | 20/12/2012 |
| RPM- Ready Prepared Solid Medium | SM792    | C.L.E.D. Agar w/ Bromothymol Blue         | Low risk | 30/10/2018 |
| RPM- Ready Prepared Solid Medium | SM837    | Tryptose Sulphite Cycloserine(T.S.C) Agar | Low risk | 17/06/2021 |
| RPM- Ready Prepared Solid Medium | SM933D   | Orange Serum Agar                         | Low risk | 22/04/2019 |

|                                         |        |                                                         |          |            |
|-----------------------------------------|--------|---------------------------------------------------------|----------|------------|
| RPM- Ready Prepared UTI Diagnostic Kits | K041   | Rapid UTI ABST Kit                                      | Low Risk | 20/12/2012 |
| RPM- Ready Prepared UTI Diagnostic Kits | K084A  | Ecopathology Uro Kit-1                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared UTI Diagnostic Kits | K084B  | Ecopathology Uro Kit-1, Modified                        | Low risk | 30/10/2018 |
| RPM- Ready Prepared UTI Diagnostic Kits | K085A  | Ecopathology Uro Kit-2                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared UTI Diagnostic Kits | K089   | Ecopathology Uro Kit-3                                  | Low risk | 20/12/2012 |
| RPM- Ready Prepared UTI Diagnostic Kits | K090   | Ecopathology Uro Kit-4                                  | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K043   | Nitrate Reduction Test Kit for Mycobacteria             | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K044   | Catalase Test Kit for Mycobacteria                      | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K044R  | Catalase Test Kit for Mycobacteria                      | Low risk | 10/11/2020 |
| RPM- Biochemical Kits for Mycobacteria  | K045   | Pyrazinimidase Test Kit for Mycobacteria                | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K045R  | Pyrazinimidase Test Kit for Mycobacteria (              | Low risk | 10/11/2020 |
| RPM- Biochemical Kits for Mycobacteria  | K046   | Thiopene Carboxylic Hydrazide Test Kit for Mycobacteria | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K047   | Niacin Detection Kit w/ syringe                         | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K048   | Niacin Detection Kit Modified w/o syringe               | Low risk | 20/12/2012 |
| RPM- Biochemical Kits for Mycobacteria  | K050   | Kit for Selective Isolation of M.tuberculosis           | Low risk | 20/12/2012 |
| RPM-MRSA Kits                           | K058S  | MRSA Alert kit (w/swabs)                                | Low risk | 25/08/2016 |
| RPM-MRSA Kits                           | K058SR | MeReSa Agar Base,MRSA Alert Kit (w/swabs)               | Low risk | 25/08/2016 |
| RPM-MRSA Kits                           | K086R  | Enterococcus Presumptive Broth (VRE Alert)              | Low risk | 25/08/2016 |
| RPM- Ready Prepared Diagnostic Kits     | K144   | Mucormycosis Detection Kit                              | Low risk | 10/06/2021 |
| RPM- Biochemical Identification Kits    | KB001  | HiIMViC™ Biochemical Test Kit                           | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits    | KB001R | HiIMViC Biochemical Test Kit                            | Low risk | 25/08/2016 |

|                                      |         |                                             |          |            |
|--------------------------------------|---------|---------------------------------------------|----------|------------|
| RPM- Biochemical Identification Kits | KB002   | HiAssorted™ Biochemical Test Kit            | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB002R  | HiAssorted Biochemical Test Kit             | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB003   | Hi25™ Enterobacteriaceae Identification Kit | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB003R  | Hi25 Enterobacteriaceae Identification Kit  | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB004   | HiStaph™ Identification Kit                 | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB004R  | HiStaph Identification Kit                  | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB005A  | HiStrep™ Identification Kit                 | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB005AR | HiStrep Identification Kit                  | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB006   | HiCandida™ Identification Kit               | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB006R  | HiCandida Identification Kit                | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB007   | HiVibrio™ Identification Kit                | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB007R  | HiVibrio Identification Kit                 | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB008   | HiNeisseria™ Identification Kit             | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB008R  | HiNeisseria Identification Kit              | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB009   | HiCarbo™ Kit                                | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB009R  | HiCarbo Kit                                 | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB009A  | HiCarbo™ Kit- Part A                        | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB009AR | HiCarbo Kit- Part A                         | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB009B1 | HiCarbo™ Kit- Part B                        | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB009C  | HiCarbo™ Kit- Part C                        | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB010   | HiE. coli™ Identification Kit               | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB010R  | HiE.coli™ Identification Kit                | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB011   | HiSalmonella™ Identification Kit            | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB011R  | HiSalmonella Identification Kit             | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB012A  | HiListeria™ Identification Kit              | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB012AR | HiListeria Identification Kit               | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB013   | HiBacillus™ Identification Kit              | Low risk | 20/12/2012 |

|                                      |          |                                                      |          |            |
|--------------------------------------|----------|------------------------------------------------------|----------|------------|
| RPM- Biochemical Identification Kits | KB013R   | HiCarbo Kit (HiBacillus Identification Kit)          | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB014    | HiAcinetobacter™ Identification Kit                  | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KB014R   | HiCarbo Kit (HiAcinetobacter Identification Kit)     | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KB015    | HiCorynebacteria Identification Kit                  | Low risk | 12/08/2015 |
| RPM- Biochemical Identification Kits | KB016    | Hi24™ Enterobacteriaceae Identification Kit,Modified | Low risk | 12/08/2015 |
| RPM- Biochemical Identification Kits | KB019    | Hi24™ Nonfermenters Identification Kit               | Low risk | 28/04/2017 |
| RPM- Biochemical Identification Kits | KB020    | HiLacto Identification Kit                           | Low risk | 28/04/2017 |
| RPM- Biochemical Identification Kits | KB021    | HiBifido Identification Kit                          | Low risk | 28/04/2017 |
| RPM- Biochemical Identification Kits | KBM001   | HiMotility™ Biochemical Kit for E.coli               | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KBM001R  | HiMotility Biochemical Kit for E.coli                | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KBM002   | HiMotility™ Biochemical Kit for Salmonella           | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KBM002R  | HiMotility™ Biochemical Kit for Salmonella           | Low risk | 25/08/2016 |
| RPM- Biochemical Identification Kits | KBM003A  | HiMotility™ Biochemical Kit for Listeria             | Low risk | 20/12/2012 |
| RPM- Biochemical Identification Kits | KBM003AR | HiMotility™ Biochemical Kit for Listeria             | Low risk | 25/08/2016 |

| Product group                     | Type/ Model / Ref number | Device Name                                     | Risk Class | Date of CE compliance |
|-----------------------------------|--------------------------|-------------------------------------------------|------------|-----------------------|
| <b>Epidemeology Screening Kit</b> |                          |                                                 |            |                       |
| ESK- Hi Aureus Confirmation Kits  | K053AD                   | Hiaureus Coagulase Confrimation Kit (w/o swabs) | Low risk   | 07/02/2012            |
| ESK- Hi Aureus Confirmation Kits  | K053ADS                  | Hiaureus Coagulase Confrimation Kit (w/ swabs)  | Low risk   | 07/02/2012            |

| Product group                               | Type/ Model / Ref number | Device Name                                                         | Risk Class | Date of CE compliance |
|---------------------------------------------|--------------------------|---------------------------------------------------------------------|------------|-----------------------|
| <b>Bacteriological Differentiation Aids</b> |                          |                                                                     |            |                       |
| BDA- HiDtect Rapid Identification Discs     | DT001                    | HiDtect™ UTI Identification Disc                                    | Low risk   | 20/12/2012            |
| BDA- HiDtect Rapid Identification Discs     | DT003                    | HiDtect™ Pseudomonas Identification Disc                            | Low risk   | 20/12/2012            |
| BDA- HiDtect Rapid Identification Discs     | DT015                    | HiDtect™ Universal Enviro Identification Disc                       | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I001                     | Andrade's Indicator                                                 | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I002                     | Bromocresol Green Indicator                                         | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I003                     | Bromocresol Purple Indicator                                        | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I004                     | Bromophenol Blue Indicator                                          | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I005                     | Bromothymol Blue Indicator                                          | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I006                     | Methyl Orange Indicator                                             | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I007                     | Methyl Red Indicator                                                | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I008                     | Neutral Red Indicator                                               | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I009                     | Phenolphthalein, 0.1% w/v                                           | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I010                     | Phenol Red Indicator                                                | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I011                     | Thymol Blue Indicator                                               | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I012                     | Thymolphthalein Indicator                                           | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I013                     | Universal Indicator                                                 | Low risk   | 20/12/2012            |
| BDA- Readymade Indicators in Liquid         | I014                     | Mixed Indicator Solution (25X)                                      | Low risk   | 20/12/2012            |
| BDA- Readymade Stains in Liquid             | K001                     | Gram Stains - Kit (contains S012, S032, S013 and S027 or S038)      | Low risk   | 20/12/2012            |
| BDA- Readymade Stains in Liquid             | K001CCL                  | Gram Stains - Kit (contains S012, S032, S013 and S027 or S038)      | Low risk   | 04/07/2018            |
| BDA- Readymade Stains in Liquid             | K001D                    | Gram Staining Kit                                                   | Low risk   | 04/07/2018            |
| BDA- Readymade Stains in Liquid             | K001L                    | Gram Stains - Kit (contains S012, S032, S013 and S027 or S038)      | Low risk   | 20/12/2012            |
| BDA- Readymade Stains in Liquid             | K001M                    | Gram Stains - Kit                                                   | Low risk   | 22/04/2019            |
| BDA- Readymade Stains in Liquid             | K002                     | Albert's Metachromatic Stains - Kit                                 | Low risk   | 20/12/2012            |
| BDA- Readymade Stains in Liquid             | K002L                    | Albert's Metachromatic Stains - Kit                                 | Low risk   | 20/12/2012            |
| BDA- Readymade Stains in Liquid             | K003                     | Neisser's Metachromatic Stains - Kit (contains S013, S023 and S037) | Low risk   | 20/12/2012            |

|                                    |         |                                                                                                                                                                                                 |          |            |
|------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| BDA- Readymade Stains in Liquid    | K003L   | Neisser's Metachromatic Stains - Kit (contains S013, S023 and S037)                                                                                                                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K004    | Capsule Stains - Kit (contains S021, S025 and S047)                                                                                                                                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K004L   | Capsule Stains - Kit (contains S021, S025 and S047)                                                                                                                                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K005    | ZN Acid Fast Stains - Kit (contains S033,S005 and S022)                                                                                                                                         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K005CCL | ZN Acid Fast Stains - Kit (contains S033,S005 and S022)                                                                                                                                         | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid    | K005D   | ZN Acid Fast Stains - Kit                                                                                                                                                                       | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid    | K005L   | ZN Acid Fast Stains - Kit (contains S033, S005 & S022)                                                                                                                                          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K005M   | ZN Acid Fast Stains - Kit (contains S033, S005 & S022)                                                                                                                                          | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid    | K006    | Schaeffer & Fulton's Spore Stains - Kit (contains S028 and S029)                                                                                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K006L   | Schaeffer & Fulton's Spore Stains - Kit (contains S028 and S029)                                                                                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K011    | Malarial Parasite - Kit (contains S008 and S009)                                                                                                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K011L   | Malarial Parasite - Kit (contains S008 and S009)                                                                                                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K021    | Fluorescent Stains - Kit for Mycobacteria (contains S042, S043 and S044)                                                                                                                        | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K021L   | Fluorescent Stains - Kit for Mycobacteria (contains S042, S043 and S044)                                                                                                                        | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K021R   | Fluorescent Stains Kit for Mycobacteria (contains S054,S055,S056)                                                                                                                               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K021Y   | Fluorescent Stains Kit for Mycobacteria (contains S042Y,S043Y,S044Y)                                                                                                                            | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid    | K049    | Malarial Parasite - Kit (contains S008 and S009)                                                                                                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K061    | HiFluo-Phenol Free Stain - kit for Mycobacteria [Kit contains 200ml each of Auramine – Rhodamine solution (Phenol free)-S082, Decolourizer-S099 (2 x200), Potassium Permanganate Solution-S083] | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K062    | HiCold Stain TB - Kit for Mycobacteria [Kit contains 500ml each of Carbol Fuchsin Solution-S080, Decolourizer-S099, Counter Stain (Loeffler's Methylene Blue)-S081]                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K062S   | HiCold Stain TB - Kit for Mycobacteria [Kit contains 100ml each of Carbol Fuchsin Solution-S080, Decolourizer-S099, Counter Stain (Loeffler's Methylene Blue) S081]                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | K063    | Modified Neisser's Metachromatic Stains - Kit (1 minute staining)                                                                                                                               | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R001    | Barium Chloride Solution, 10% w/v                                                                                                                                                               | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R002    | Benedict's Qualitative Reagent                                                                                                                                                                  | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R003    | Benedict's Quantitative Reagent                                                                                                                                                                 | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R004    | C.S.F. Diluting Fluid                                                                                                                                                                           | Low risk | 20/12/2012 |



|                                    |      |                                            |          |            |
|------------------------------------|------|--------------------------------------------|----------|------------|
| BDA - Readymade Reagents in Liquid | R005 | Ehrlich's Aldehyde Reagent                 | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R006 | Folin & Wu's Alkaline Copper Solution      | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R007 | Folin & Wu's Phosphate, Molybdate Solution | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R008 | Kovacs' Indole Reagent                     | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R009 | a-Naphthylamine solution                   | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R010 | Nessler's Reagent                          | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R011 | Potassium Chromate, 5% w/v                 | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R012 | Potassium Oxalate, 5% w/v                  | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R013 | R.B.C. Diluting Fluid (Hayemis)            | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R014 | Sodium Citrate, 3.8% w/v                   | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R015 | Sulphanilic acid, 0.8%                     | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R016 | W.B.C. Diluting Fluid                      | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R017 | Nessler's Reagent                          | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R018 | Fouchet's Reagent                          | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R019 | E.D.T.A. (di-sodium) 5%                    | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R020 | Sulphosalicylic Acid 3%                    | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R021 | Topfer Reagent                             | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R022 | o-Toluidine reagent                        | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R023 | R.B.C. Diluting Fluid (Grower's)           | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R024 | o-Toluidine Reagent                        | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R026 | Gordon-McLeod Reagent (Oxidase reagent)    | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R027 | Gaby-Hadley Reagent A                      | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R028 | Gaby-Hadley Reagent B                      | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R029 | Barritt Reagent A (for VP test)            | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R030 | Barritt Reagent B (for VP test)            | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R031 | O'Meara Reagent                            | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R035 | DMACA Reagent                              | Low risk | 20/12/2012 |

|                                    |       |                                              |          |            |
|------------------------------------|-------|----------------------------------------------|----------|------------|
| BDA - Readymade Reagents in Liquid | R036  | TDA Reagent                                  | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R037  | Fehling Solution No. 1                       | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R038  | Fehling Solution No. 2                       | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R043  | PYR Reagent                                  | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R044  | Iodine Solution                              | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R075  | 10X RBC Lysis Buffer Solution                | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R083  | Thrombocount reagent                         | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R084  | HiDecal (mild decalcifying solution)         | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R085  | HiDecal (strong decalcifying solution)       | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R092  | McFarland Standard Tube                      | Low risk | 20/12/2012 |
| BDA - Readymade Reagents in Liquid | R092A | Mcfarland standard 0.5                       | Low risk | 22/04/2019 |
| BDA - Readymade Reagents in Liquid | R092B | Mcfarland standard 1                         | Low risk | 22/04/2019 |
| BDA - Readymade Reagents in Liquid | R092C | Mcfarland standard 2                         | Low risk | 22/04/2019 |
| BDA - Readymade Reagents in Liquid | R092D | Mcfarland standard 3                         | Low risk | 22/04/2019 |
| BDA - Readymade Reagents in Liquid | R092E | Mcfarland standard 4                         | Low risk | 22/04/2019 |
| BDA - Readymade Reagents in Liquid | R092R | Test Tubes (McFarland Standard Tube)         | Low risk | 25/08/2016 |
| BDA - Readymade Reagents in Liquid | R092S | McFarland Standard Set (0.5,1,2)             | Low risk | 04/07/2018 |
| BDA - Readymade Reagents in Liquid | R097  | Millons reagent                              | Low risk | 28/04/2017 |
| BDA- Readymade Stains in Liquid    | S001  | Albert's Stain A                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S002  | Albert's Stain B                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S003  | Borax Carmine (Grenacher's), Alcoholic Stain | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S004  | Borax Carmine (Grenacher's), Aqueous Stain   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S005  | Carbol Fuchsin (ZN,Strong)                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S005D | Carbol Fuchsin (ZN,Strong)                   | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid    | S005M | Carbol Fuchsin (ZN,Strong)                   | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid    | S006  | Carbol Fuchsin (ZN, Dilute)                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid    | S007  | Eosin, 2% w/v                                | Low risk | 20/12/2012 |

|                                 |       |                                  |          |            |
|---------------------------------|-------|----------------------------------|----------|------------|
| BDA- Readymade Stains in Liquid | S008  | Field's Stain A                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S009  | Field's Stain B                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S010  | Gentian Violet                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S011  | Giemsa's Stain                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S012  | Gram's Crystal Violet            | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S012D | Gram's Crystal Violet            | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S012M | Gram's Crystal Violet            | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S013  | Gram's Iodine                    | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S013D | Gram's Iodine                    | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S013M | Gram's Iodine                    | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S014  | Haematoxylin (Delafield's)       | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S015  | Lactophenol                      | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S016  | Lactophenol Cotton Blue          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S017  | Lactophenol Picric Acid          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S018  | Leishman's Stain (Twin Pack)     | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S018S | Leishman's Stain Solution        | Low risk | 25/11/2017 |
| BDA- Readymade Stains in Liquid | S019  | Lugol's Iodine                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S020  | Malachite Green, 1% w/v          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S021  | Methylene Blue (Aqueous)         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S022  | Methylene Blue (Loeffler's)      | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S022D | Methylene Blue (Loeffler's)      | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S022M | Methylene Blue (Loeffler's)      | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S023  | Neisser's Methylene Blue         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S024  | Newman's Stain, Modified         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S025  | Nigrosin Stain, 10% w/v          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S026  | Picric Acid (Saturated, Aqueous) | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S027  | Safranin, 0.5% w/v               | Low risk | 20/12/2012 |

|                                 |       |                                    |          |            |
|---------------------------------|-------|------------------------------------|----------|------------|
| BDA- Readymade Stains in Liquid | S027D | Safranin, 0.5% w/v                 | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S027M | Safranin, 0.5% w/v                 | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S028  | Schaeffer & Fulton's Spore Stain A | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S029  | Schaeffer & Fulton's Spore Stain B | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S030  | Wright's Stain                     | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S031  | Mayer's Mucicarmine Stain          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S032  | Gram's Decolourizer                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S032D | Gram's Decolourizer                | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S032M | Gram's Decolourizer                | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S033  | Acid Fast Decolourizer             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S033D | Acid Fast Decolourizer             | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S033M | Acid Fast Decolourizer             | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S034  | Haematoxylin (Harris)              | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S035  | Papanicolaou-OG-6                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S036  | Papanicolaou-EA-36                 | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S037  | Neutral Red Solution               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S038  | Basic Fuchsin 0.1% w/v             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S038D | Basic Fuchsin 0.1% w/v             | Low risk | 04/07/2018 |
| BDA- Readymade Stains in Liquid | S038M | Basic Fuchsin 0.1% w/v             | Low risk | 22/04/2019 |
| BDA- Readymade Stains in Liquid | S039  | May-Grunwald's Stain               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S041  | FA Rhodamine Counterstain          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S042  | Phenolic auramine                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S042Y | Phenolic auramine O                | Low risk | 08/12/2017 |
| BDA- Readymade Stains in Liquid | S043  | Mycobacteria decolourizer          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S043Y | Mycobacteria decolourizer          | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S044  | Potassium permanganate             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S044Y | Potassium permanganate             | Low risk | 08/12/2017 |

|                                 |      |                                                                                      |          |            |
|---------------------------------|------|--------------------------------------------------------------------------------------|----------|------------|
| BDA- Readymade Stains in Liquid | S047 | M'Fadyean Stain (Polychrome Methylene Blue)                                          | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S054 | Fluorochrome Solution                                                                | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S055 | Decolourising Solution                                                               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S056 | Background Solution                                                                  | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S057 | Grams Iodine, Stabilized                                                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S058 | Haematoxylin (Mayer)                                                                 | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S059 | Haematoxylin (Ehrlich)                                                               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S062 | Fixing solution, for fixing Haematological samples                                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S066 | Brilliant Cresyl Blue Solution                                                       | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S067 | Congo red (1% aqueous)Solution                                                       | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S068 | Papanicolaou-EA-50                                                                   | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S070 | Schiff's fuchsin-sulphite reagent                                                    | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S073 | Periodic Acid Solution (PAS)                                                         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S074 | Schiff's Reagent                                                                     | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S076 | Haematoxylin (Gill No.3)                                                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S102 | Fixative, for fixing cytological or histological samples                             | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S109 | Fixative (Buffered Formalin fixative) for fixing cytological or histological samples | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S118 | Fixative, for rapid fixing of haematological samples                                 | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S119 | Fixative (BFA), for Rapid fixing of haematological samples                           | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S125 | Romanowsky-Giemsa (RG) stain                                                         | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S126 | Shorr's Stain solution                                                               | Low risk | 20/12/2012 |
| BDA- Readymade Stains in Liquid | S127 | Gabbett Counterstaining Solution                                                     | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S128 | HiGrams Stain Crystal Violet                                                         | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S129 | HiGrams Iodine                                                                       | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S130 | HiGrams Decolouriser                                                                 | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S131 | HiGrams Counter Stain                                                                | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S132 | HiCarbol Fuchsin                                                                     | Low risk | 16/12/2017 |

|                                 |        |                                              |          |            |
|---------------------------------|--------|----------------------------------------------|----------|------------|
| BDA- Readymade Stains in Liquid | S133   | HiAcid Fast Decolouriser                     | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S134   | HiAcid Fast Counter Stain                    | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S135   | Solution for Leishman's Stain L (Twin Pack)  | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S136   | Solution for Leishman's Stain R (Twin Pack)  | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S137   | Solution for Leishman's Stain HP (Twin Pack) | Low risk | 16/12/2017 |
| BDA- Readymade Stains in Liquid | S138   | Gentian Violet 1 % Solution                  | Low risk | 22/04/2019 |
| BDA- Differentiation Discs      | DD015  | Bacitracin                                   | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD024  | Bile Esculin                                 | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD040  | DMACA Indole                                 | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD035  | Hippurate hydrolysis                         | Low risk | 20/12/2012 |
| BDA- Differentiation Strips     | DD034  | Lead Acetate Paper strips                    | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD041  | Nitrate Discs                                | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD042  | Nitrate Reagent Discs                        | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD008  | ONPG                                         | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD009  | Optochin                                     | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD009R | Optochin (5mcg)                              | Low risk | 25/08/2016 |
| BDA- Differentiation Discs      | DD018  | Oxidase                                      | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD020  | X factor                                     | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD022  | X+V Factor                                   | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD021  | V Factor                                     | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD047  | Vibrio 0129 Differential Disc (10 mcg)       | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD048  | Vibrio 0129 Differential Disc (150 mcg)      | Low risk | 20/12/2012 |
| BDA- Differentiation Discs      | DD055  | Bacitracin B                                 | Low risk | 25/08/2016 |
| BDA- Differentiation Discs      | DD056  | Sodium Biselenite Disc                       | Low risk | 04/07/2018 |
| BDA- Differentiation Discs      | DB001  | Sodium Biselenite Bud                        | Low risk | 04/07/2018 |

| Product group                                       | Type/ Model /<br>Ref number | Device Name          | Risk Class | Date of CE<br>compliance |
|-----------------------------------------------------|-----------------------------|----------------------|------------|--------------------------|
| <b>Antimicrobial<br/>Susceptibility<br/>Systems</b> |                             |                      |            |                          |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE001                       | Dodeca Universal-I   | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE002                       | Dodeca G-I-Plus      | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE003                       | Dodeca G-I-Minus     | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE004                       | Dodeca UTI-I         | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE005                       | Dodeca UTI-II        | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE006                       | Dodeca UTI-III       | Low risk   | 25/08/2016               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE007                       | Dodeca Universal-II  | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE008                       | Dodeca Universal-III | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE009                       | Dodeca G-II-Plus     | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE010                       | Dodeca G-II-Minus    | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE011                       | Dodeca UTI-IV        | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE012                       | Dodeca Universal-IV  | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE013                       | Dodeca Universal-V   | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE014                       | Dodeca Universal-VI  | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE015                       | Dodeca Universal-VII | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE016                       | Dodeca Universal III | Low risk   | 25/08/2016               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE017                       | Dodeca Universal-IX  | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE018                       | Dodeca G-III-Plus    | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE019                       | Dodeca G-III-Minus   | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE020                       | Dodeca Pseudo-I      | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE021                       | Dodeca UTI-V         | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE022                       | Dodeca Universal X   | Low risk   | 25/08/2016               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE023                       | Dodeca G-IV Plus     | Low risk   | 20/12/2012               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE024                       | Dodeca G-IV minus    | Low risk   | 25/08/2016               |
| ASS- Sensitivity<br>Discs (Multi Discs)             | DE025                       | Dodeca UTI-VI        | Low risk   | 20/12/2012               |

|                                      |       |                          |          |            |
|--------------------------------------|-------|--------------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | DE026 | Dodeca Universal -XI     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE027 | Dodeca Universal -XII    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE028 | Dodeca Universal -XIII   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE029 | Dodeca G-V minus         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE030 | Dodeca UTI-VII           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE031 | Dodeca G-VI minus        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE032 | Dodeca G-V Plus          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE033 | Dodeca G-VII Minus       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE034 | Dodeca UTI-VIII          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE035 | Dodeca Universal XIV     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE036 | Dodeca G-VI Plus         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE037 | Dodeca G-VIII Minus      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE038 | Dodeca G-VII Plus        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE039 | Dodeca G-IX Minus        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE040 | Dodeca UTI-IX            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE041 | Dodeca Pseudo-II         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE042 | Dodeca Universal XV      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE043 | Dodeca G-X Minus         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE044 | Dodeca - G-VIII Plus     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE045 | Dodeca G-XI Minus        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE046 | Dodeca G-XII Minus       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE047 | Dodeca G-IX Plus         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE048 | Dodeca Staphylococci - 1 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE049 | Dodeca Staphylococci - 2 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE050 | Dodeca Enterococcus -1   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE051 | Dodeca Pseudomonas -1    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE052 | Dodeca Pseudomonas 2     | Low risk | 25/08/2016 |



|                                      |       |                               |          |            |
|--------------------------------------|-------|-------------------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | DE053 | Dodeca Enterobacteriaceae - 1 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE054 | Dodeca Enterobacteriaceae - 2 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | DE700 | Dodeca Staphylococci - 1      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE701 | Dodeca Staphylococci - 2      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE702 | Dodeca Enterococcus - 1       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE703 | Dodeca Pseudomonas - 1        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE704 | Dodeca Pseudomonas - 2        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE705 | Dodeca Enterobacteriaceae - 1 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE706 | Dodeca Enterobacteriaceae - 2 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE707 | Dodeca Universal - 16         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE708 | Dodeca UTI - 10               | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE709 | Dodeca G-Minus 13             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE710 | Dodeca G-Plus 10              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE711 | Dodeca G minus XIV            | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE712 | Dodeca G minus XV             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE713 | Dodeca G minus 16             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE714 | Dodeca G minus 17             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE715 | Dodeca G minus 18             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE716 | Dodeca G plus 11              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE717 | Dodeca G plus 12              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE718 | Dodeca G minus 19             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE719 | Dodeca UTI 10                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE720 | Dodeca UTI 11                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE721 | Dodeca Universal 16           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE722 | Dodeca Universal 17           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE723 | Dodeca G Plus 13              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE724 | Dodeca UTI-12                 | Low risk | 25/08/2016 |

|                                      |       |                       |          |            |
|--------------------------------------|-------|-----------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | DE725 | Dodeca Universal-18   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE726 | Dodeca UTI - 13       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE727 | Dodeca G-minus 20     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE728 | Dodeca UTI 14         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE729 | Dodeca G-Plus 14      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE730 | Dodeca G-Minus 21     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE731 | Dodeca G-Minus 22     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE732 | Dodeca Universal 19   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE733 | Dodeca Universal 20   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE734 | Dodeca Universal 21   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE735 | Dodeca Universal 22   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE736 | Dodeca G-Plus 15      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE737 | Dodeca G-Minus 23     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE738 | Dodeca G-Minus 24     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE739 | Dodeca UTI 13         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE740 | Dodeca G-Plus 16      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE741 | Dodeca G-Minus 25     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE742 | Dodeca Pseudomonas -3 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | DE743 | Dodeca G-Minus 26     | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE744 | Dodeca UTI 15         | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE745 | Dodeca Pseudomonas -4 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE746 | Dodeca G-Plus 17      | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE747 | Dodeca G-Minus 27     | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE748 | Dodeca UTI 16         | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | DE749 | Dodeca G-Plus 18      | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE750 | Dodeca G-Plus 19      | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE751 | Dodeca G-Minus 28     | Low risk | 10/11/2020 |

|                                      |        |                       |          |            |
|--------------------------------------|--------|-----------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | DE752  | Dodeca G-Minus 29     | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE753  | Dodeca G-Plus 20      | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE754  | Dodeca G-Minus 30     | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE755  | Dodeca Pseudomonas -5 | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE756  | Dodeca G-Minus 31     | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | DE757  | Dodeca G-Plus 21      | Low risk | 10/11/2020 |
| ASS- Ezy MIC Strips                  | EM001  | Amikacin              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM002  | Amoxycillin           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM003  | Amoxyclav (2:1)       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM004  | Azithromycin          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM006  | Aztreonam             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM008  | Cefazolin             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM009  | Cefdinir              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM011  | Cefpirome             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM012  | Ceftazidime           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM013  | Ceftriaxone           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM016  | Chloramphenicol       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM017  | Ciprofloxacin         | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM018  | Clarithromycin        | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM019  | Clindamycin           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM020  | Colistin              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM020S | Colistin              | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips                  | EM021  | Co-Trimoxazole (1:19) | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM021S | Co-Trimoxazole (1:19) | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips                  | EM022  | Erythromycin          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM023  | Fusidic Acid          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM024  | Gatifloxacin          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM025  | Gentamicin            | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM026  | Kanamycin             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM027  | Levofloxacin          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM029  | Linezolid             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM032  | Minocycline           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM033  | Moxifloxacin          | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM035  | Nalidixic acid        | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM037  | Nitrofurantoin        | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM038  | Norfloxacin           | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM039  | Ofloxacin             | Low risk | 20/12/2012 |

|                     |        |                                           |          |            |
|---------------------|--------|-------------------------------------------|----------|------------|
| ASS- Ezy MIC Strips | EM041  | Piperacillin                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM042  | Piperacillin/Tazobactam                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM043  | Polymixin B                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM044  | Pristinomycin (Quinupristin/Dalfopristin) | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM045  | Rifampicin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM046  | Roxithromycin                             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM047  | Sparfloxacin                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM048  | Streptomycin                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM055  | Teicoplanin                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM055S | Teicoplanin                               | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips | EM056  | Tetracycline                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM057  | Ticarcillin                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM058  | Tobramycin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM059  | Trimethoprim                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM060  | Vancomycin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM060S | Vancomycin                                | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips | EM061  | Gentamicin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM062  | Penicillin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM063  | Oxacillin - Vancomycin                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM064  | Cefotaxime                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM065  | Oxacillin                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM066  | Ceftriaxone                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM066S | Ceftriaxone                               | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips | EM068  | Ampicillin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM070  | Cefepime                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM071  | Amphotericin-B                            | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM072  | Fluconazole                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM073  | Itraconazole                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM074  | Ketoconazole                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM076  | Gemifloxacin                              | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM077  | Vancomycin - Cefoxitin                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM078  | Imipenem w&w/o EDTA                       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM079A | Triple ESBL detection Strip               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM080  | Meropenem                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM081A | ESBL & AmpC Detection Strip               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM082  | Ciprofloxacin                             | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM083  | Co-Trimoxazole (1:19)                     | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM084  | Penicillin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM085  | Ertapenem                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM086  | Voriconazole                              | Low risk | 20/12/2012 |

|                     |       |                                             |          |            |
|---------------------|-------|---------------------------------------------|----------|------------|
| ASS- Ezy MIC Strips | EM087 | Mupirocin                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM088 | Daptomycin (Supplemented with Calcium ions) | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM089 | Tigecycline                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM090 | Doripenem                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM091 | Faropenem                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM092 | Meropenem with & without EDTA               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM093 | Cefepime/Tazobactam (2:1)                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM094 | Cefoperazone/Sulbactam (2:1)                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM095 | Netilmicin                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM097 | Ceftriaxone/Sulbactam (2:1)                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM098 | Ceftazidime / Ceftazidime+ Clavulanic acid  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM099 | Cefotaxime / Cefotaxime + Clavulanic acid   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM100 | Cefotaxime                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM101 | Cefoxitin                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM102 | Cefuroxime                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM103 | Doxycycline                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM104 | Imipenem                                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM105 | Cefotetan                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM106 | Cephalothin                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM107 | Cefaclor                                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM108 | Fosfomycin                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM109 | Ampicillin/Sulbactam                        | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM110 | Cefixime                                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM111 | Vancomycin - Teicoplanin                    | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM112 | Cefoperazone                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM113 | Cefonicid                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM114 | Cefmetazole                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM115 | Enrofloxacin                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM116 | Cefepime / cefepime + Clavulanic acid       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM117 | Ceftriaxone / Ceftriaxone + Clavulanic acid | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM118 | Flucytosine                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM119 | Caspofungin                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM120 | Posaconazole                                | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM121 | Micafungin                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM122 | Anidulafungin                               | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM123 | Ceftizoxime                                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM124 | Mecillinam                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM125 | Ticarcillin/Clavulanic Acid                 | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM126 | Bacitracin                                  | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips | EM127 | Cefotetan / Cefotetan + Cloxacillin         | Low risk | 20/12/2012 |

|                                      |       |                                                                 |          |            |
|--------------------------------------|-------|-----------------------------------------------------------------|----------|------------|
| ASS- Ezy MIC Strips                  | EM128 | Metronidazole                                                   | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM129 | Cefpodoxime                                                     | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM130 | Cefprozil                                                       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM131 | Sulbactam                                                       | Low risk | 20/12/2012 |
| ASS- Ezy MIC Strips                  | EM132 | Improved ESBL Detection Ezy MIC Strip (Mix+/Mix)                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM133 | Improved AmpC Detection Ezy MIC Strip (Mix+/Mix)                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM134 | MBL Plus ESBL Detection Ezy MIC Strip (ESBL+/ESBL)              | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM135 | MBL Plus AmpC Detection Ezy MIC Strip (AmpC+/Amp)               | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM136 | ESBL-AmpC Coexistence Detection Ezy MIC Kit                     | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM137 | MBL-ESBL-AmpC Co-existence Detection Ezy MIC Kit                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM138 | Cefpodoxime/Clavulanic Acid Ezy MIC Strip                       | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM139 | Amoxyclav Ezy MIC Strip (AUG) (0.016-256 mcg/ml)                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM140 | Ampicillin/Sulbactam Ezy MIC Strip (SAM) (4 mcg/ml)             | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM141 | Ertapenem/Ertapenem + Boronic acid Ezy MIC Strip (ETP+/ETP)     | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM142 | Terbinafine Ezy MIC Strip (TRB) (0.002-32 mcg/ml)               | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM143 | Griseofulvin Ezy MIC Strip (GRI) (0.002-32 mcg/ml)              | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM144 | Clotrimazole Ezy MIC Strip (CLO) (0.002-32 mcg/ml)              | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM145 | Terbinafine Ezy MIC Strip (TRB) (0.002-32 mcg/ml)               | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM146 | Miconazole Ezy MIC Strip (MIC) (0.002-32 mcg/ml)                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM147 | Flucloxacillin Ezy MIC Strip (FLC) (0.016-256 mcg/ml)           | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips                  | EM148 | Cefepime/Clavulanic acid Ezy MIC Strip (FIC) (0.016-256 mcg/ml) | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips                  | EM149 | Ceftazidime /Tazobactam Ezy MIC Strip (CAT) (0.016-256 mcg/ml)  | Low risk | 04/07/2018 |
| ASS- Ezy MIC Strips                  | EM150 | Natamycin Ezy MIC Strip (NAT) (0.016-256 mcg/ml)                | Low risk | 22/04/2019 |
| ASS- Ezy MIC Strips                  | EM151 | Cefpirome/Sulbactam Ezy MIC™ Strip                              | Low risk | 22/04/2019 |
| ASS- Ezy MIC Strips                  | EM152 | Ceftizoxime/Sulbactam Ezy MIC™ Strip                            | Low risk | 10/11/2020 |
| ASS- Ezy MIC Strips                  | EM153 | Ceftazidime/Avibactam Ezy MIC™ Strip                            | Low risk | 10/11/2020 |
| ASS- Ezy MIC Strips                  | EM154 | Faropenem/Clavulanic acid Ezy MIC™ strip (FAC)                  | Low risk | 01/11/2020 |
| ASS- Ezy MIC Strips                  | EM155 | Cefuroxime/Clavulanic acid Ezy MIC™ strip (CXC)                 | Low risk | 01/11/2020 |
| ASS- Ezy MIC Strips                  | EM701 | Xylomonas Ezy MIC Strip (0.016-256mcg/ml)                       | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM702 | Arbekacin Ezy MIC Strip (ABK) (0.016-256 mcg/ml)                | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM703 | Garenoxacin Ezy MIC Strip (0.002-32 mcg/ml)                     | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM705 | Biapenem Ezy MIC Strip (BPM) (0.002-32 mcg/ml)                  | Low risk | 25/08/2016 |
| ASS- Ezy MIC Strips                  | EM706 | Reinvexin Ezy MIC Strip (PB) (0.016-256 mcg/ml)                 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | HX001 | Hexa G-plus 1                                                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX002 | Hexa G-plus 2                                                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX003 | Hexa G-plus 3                                                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX004 | Hexa G-plus 4                                                   | Low risk | 20/12/2012 |

|                                      |       |                    |          |            |
|--------------------------------------|-------|--------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | HX005 | Hexa G-plus 5      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX006 | Hexa G-minus 1     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX007 | Hexa G-minus 2     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX008 | Hexa G-minus 3     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX009 | Hexa G-minus 4     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX010 | Hexa G-minus 5     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX011 | Hexa Pseudo 1      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX012 | Hexa Pseudo 2      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX013 | Hexa Pseudo 3      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX014 | Hexa UTI-1         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX015 | Hexa UTI-2         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX016 | Hexa Haemophilus 1 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX017 | Hexa Haemophilus 2 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX018 | Hexa Haemophilus 3 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX019 | Hexa Pneumococci 1 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX020 | Hexa Pneumococci 2 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX021 | Hexa Anaerobic 1   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX022 | Hexa G-plus 6      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX023 | Hexa G-plus 7      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX024 | Hexa G-plus 8      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX025 | Hexa G-Minus 6     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX026 | Hexa Pseudo 4      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX027 | Hexa G-Plus 9      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX028 | Hexa G-minus 7     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX029 | Hexa Pseudo 5      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX030 | Hexa G-Minus 8     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX031 | Hexa G-Plus 10     | Low risk | 20/12/2012 |

|                                      |       |                      |          |            |
|--------------------------------------|-------|----------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | HX032 | Hexa Universal - 1   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX033 | Hexa UTI 3           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX034 | Hexa G-plus11        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX035 | Hexa G-minus 9       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX036 | Hexa G-minus 29      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX037 | Hexa UTI 4           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX038 | Hexa Universal-2     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX039 | Hexa G-plus 12       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX040 | Hexa G-plus 13       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX041 | Hexa Pneumococci - 3 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX042 | Hexa Pneumococci-4   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX043 | Hexa Pneumococci - 5 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX044 | Hexa Pneumococci - 6 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX045 | Hexa Pneumococci-7   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX046 | Hexa Pneumococci-8   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX047 | Hexa G-plus 25       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX048 | Hexa G-plus 26       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX049 | Hexa G-plus 27       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX050 | Hexa Pseudo 6        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX051 | Hexa Pseudo 7        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX052 | Hexa Pseudo 8        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX053 | Hexa Pseudo 9        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX054 | Hexa Pseudo 10       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX055 | Hexa Pseudo 11       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX056 | Hexa G-minus 26      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX057 | Hexa G-minus 27      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX058 | Hexa G-minus 28      | Low risk | 20/12/2012 |



|                                      |       |                       |          |            |
|--------------------------------------|-------|-----------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | HX059 | Hexa G-minus 10       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX060 | Hexa G-minus 11       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX061 | Hexa G-Minus 12       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX062 | Hexa G-minus 13       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX063 | Hexa G-minus 14       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX064 | Hexa G-minus 15       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX065 | Hexa G-Minus 16       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX066 | Hexa G-minus 17       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX067 | Hexa G-minus 18       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX068 | Hexa G-minus 19       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX069 | Hexa G-minus 20       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX070 | Hexa G-minus 21       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX071 | Hexa G-Minus 22       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX072 | Hexa UTI 4 (Modified) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX073 | Hexa UTI 5            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX074 | Hexa UTI 6            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX075 | Hexa UTI 7            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX076 | Hexa UTI 8            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX077 | Hexa UTI 9            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX078 | Hexa UTI 10           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX079 | Hexa UTI 11           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX080 | Hexa G-plus 14        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX081 | Hexa G-plus 15        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX082 | Hexa G-Plus 16        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX083 | Hexa G-plus 17        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX084 | Hexa Haemophilus 4    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX085 | Hexa Haemophilus 5    | Low risk | 25/08/2016 |

|                                      |       |                    |          |            |
|--------------------------------------|-------|--------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | HX086 | Hexa Haemophilus 6 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX087 | Hexa Haemophilus 7 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX088 | Hexa Haemophilus 8 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX089 | Hexa Haemophilus 9 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX090 | Hexa G-plus 18     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX091 | Hexa G-plus 19     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX092 | Hexa G-plus 20     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX093 | Hexa G-plus 21     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX094 | Hexa G-Plus 22     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX095 | Hexa G-minus 23    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX096 | Hexa G-minus 24    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX097 | Hexa Universal-2   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX098 | Hexa Universal-3   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX099 | Hexa UTI 12        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX100 | Hexa G-Plus 23     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX101 | Hexa G-plus 24     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX102 | Hexa G-minus 25    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX103 | Hexa Pseudo 12     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX104 | Hexa Antimycyco-01 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | HX700 | Hexa G-Plus 25     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX701 | Hexa G-Minus 26    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX703 | Hexa Pseudo-13     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX704 | Hexa G-Minus 27    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX705 | Hexa Anaerobic 2   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX706 | Hexa UTI 14        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX707 | Hexa G-Plus 26     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX708 | Hexa G-Minus 28    | Low risk | 25/08/2016 |

|                                      |       |                     |          |            |
|--------------------------------------|-------|---------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | HX709 | Hexa Pseudo 14      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX710 | Hexa UTI-15         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX711 | Hexa G-Plus 27      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX712 | Hexa Pseudo 15      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX713 | Hexa Anaerobic-3    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX714 | Hexa Combi 1        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX715 | Hexa Universal 4    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX716 | Hexa Universal 5    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX717 | Hexa Combi 2        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX718 | Hexa Combi 3        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX719 | Hexa Combi 4        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX720 | Hexa Combi 5        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX721 | Hexa Combi 6        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX722 | Hexa Combi 7        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX723 | Hexa Combi 8        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | HX724 | Hexa Combi 9        | Low risk | 28/04/2017 |
| ASS- Sensitivity Discs (Multi Discs) | HX725 | Hexa Combi 10       | Low risk | 28/04/2017 |
| ASS- Sensitivity Discs (Multi Discs) | HX726 | Hexa Combi 11       | Low risk | 28/04/2017 |
| ASS- Sensitivity Discs (Multi Discs) | IC001 | Icosa Universal - 1 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC002 | Icosa G-I-Plus      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC003 | Icosa G-I-Minus     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC004 | Icosa UTI - 1       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC005 | Icosa Pseudo - 1    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC006 | Icosa Universal - 2 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC007 | Icosa Pseudo - 2    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC008 | Icosa G-II-Minus    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | IC701 | Icosa Universal - 3 | Low risk | 25/08/2016 |

|                                      |       |                                          |          |            |
|--------------------------------------|-------|------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | IC702 | Icosa Universal - 4                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | IC703 | Icosa Universal 5                        | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD001 | Amikacin                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD002 | Amoxycillin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD003 | Amoxyclav (Amoxycillin/ Clavulanic acid) | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD004 | Azithromycin                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD005 | Azlocillin                               | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD006 | Aztreonam                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD007 | Carbenicillin                            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD008 | Cefazolin                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD009 | Cefdinir                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD010 | Cefepime                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD011 | Cefpirome                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD012 | Ceftazidime                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD013 | Ceftriaxone                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD014 | Cefalexin (Cephalexin)                   | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD015 | Cefotaxime (Cephotaxime)                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD016 | Chloramphenicol                          | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD017 | Ciprofloxacin                            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD018 | Clarithromycin                           | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD019 | Clindamycin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD020 | Colistin (Methane Sulphonate)            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD021 | Co-Trimoxazole (Sulpha/Trimethoprim)     | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD022 | Erythromycin                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD023 | Fusidic Acid                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD024 | Gatifloxacin                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips                | MD025 | Gentamicin                               | Low risk | 20/12/2012 |

|                       |       |                                           |          |            |
|-----------------------|-------|-------------------------------------------|----------|------------|
| ASS-HiComb MIC Strips | MD026 | Kanamycin                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD027 | Levofloxacin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD028 | Lincomycin                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD029 | Linezolid                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD030 | Lomefloxacin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD031 | Methicillin                               | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD032 | Minocycline                               | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD033 | Moxifloxacin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD034 | Mupirocin                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD035 | Nalidixic Acid                            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD036 | Neomycin                                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD037 | Nitrofurantoin                            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD038 | Norfloxacin                               | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD039 | Ofloxacin                                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD040 | Pefloxacin                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD041 | Piperacillin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD042 | Piperacillin/Tazobactam                   | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD043 | Polymyxin-B                               | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD044 | Pristinomycin (Quinupristin/Dalfopristin) | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD045 | Rifampicin                                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD046 | Roxithromycin                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD047 | Sparfloxacin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD048 | Streptomycin                              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD049 | Sulfasomidine                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD050 | Sulphadiazine                             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD051 | Sulphafurazole (Sulfisoxazole)            | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD052 | Sulphamethizole                           | Low risk | 20/12/2012 |

|                       |       |                             |          |            |
|-----------------------|-------|-----------------------------|----------|------------|
| ASS-HiComb MIC Strips | MD053 | Sulphamethoxypyridazine     | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD054 | Sulphaphenazole             | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD055 | Teicoplanin                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD056 | Tetracycline                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD057 | Ticarcillin                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD058 | Tobramycin                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD059 | Trimethoprim                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD060 | Vancomycin                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD061 | Gentamicin                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD062 | Benzyl Penicillin           | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD063 | Vancomycin                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD064 | Cefotaxime (Cephotaxime)    | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD065 | Oxacillin                   | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD066 | Ceftriaxone                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD067 | Amikacin                    | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD068 | Ampicillin                  | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD069 | Ceftazidime                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD070 | Cefepime                    | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD071 | Amphotericin B              | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD072 | Fluconazole                 | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD073 | Itraconazole                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD074 | Ketoconazole                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD076 | Gemifloxacin                | Low risk | 20/12/2012 |
| ASS-HiComb MIC Strips | MD701 | Cefepime/Tazobactam         | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips | MD702 | Ceftazidime/Tazobactam      | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips | MD704 | Nadifloxacin                | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips | MD706 | Cefoperazone/Tazobactam CST | Low risk | 25/08/2016 |

|                                      |         |                                     |          |            |
|--------------------------------------|---------|-------------------------------------|----------|------------|
| ASS-HiComb MIC Strips                | MD707   | Balofloxacin                        | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD708   | Cefuroxime CXM                      | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD709   | Cefpodaxime CPD                     | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD710   | Cefpodaxime / Clavulanic acid (2:1) | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD711   | Netilmicin NET                      | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD712   | Cefixime CFM                        | Low risk | 25/08/2016 |
| ASS-HiComb MIC Strips                | MD713   | Pazufloxacin                        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD001   | G-I-plus                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD001R  | G-I-plus                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD002   | G-II-plus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD002R  | G-II-plus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD003   | G-III-plus                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD0032R | Combi I                             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD003R  | G-III-plus                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD004   | G-IV-plus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD004R  | G-IV-plus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD005   | G-I-minus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD005R  | G-I-minus                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD006   | G-II-minus                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD006R  | G-II-minus                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD007   | G-III-minus                         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD007R  | G-III-minus                         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD008   | Pseudo                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD008R  | Pseudo                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD009   | UTI-I                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD009R  | UTI-I                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD010   | UTI-II                              | Low risk | 20/12/2012 |

|                                      |        |            |          |            |
|--------------------------------------|--------|------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD010R | UTI-II     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD011  | G-X-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD011R | G-X-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD012  | G-IX-plus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD012R | G-IX-plus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD014  | G-IV-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD014R | G-IV-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD015  | G-V-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD015R | G-V-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD016  | UTI-IV     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD016R | UTI-IV     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD017  | UTI-VI     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD017R | UTI-VI     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD018  | UTI-VII    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD018R | UTI-VII    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD019  | UTI-V      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD019R | UTI-V      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD020  | Combi I    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD020R | Combi I    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD021  | Combi II   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD021R | Combi II   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD022  | Combi III  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD022R | Combi III  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD023  | Combi IV   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD023R | Combi IV   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD024  | Combi V    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD024R | Combi V    | Low risk | 25/08/2016 |



|                                      |        |             |          |            |
|--------------------------------------|--------|-------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD025  | Combi VI    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD025R | Combi VI    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD026  | Combi VII   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD026R | Combi VII   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD027  | Combi VIII  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD027R | Combi VIII  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD028  | Combi IX    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD028R | Combi IX    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD029  | Combi X     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD029R | Combi X     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD030  | Combi XI    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD030R | Combi XI    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD031  | Combi XII   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD031R | Combi XII   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD032  | Combi XIII  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD032R | Combi XIII  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD033  | G-V-plus    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD033R | G-V-plus    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD034  | G-VI-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD034R | G-VI-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD035  | UTI III     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD035R | UTI III     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD036  | Pseudo I    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD036R | Pseudo I    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD037  | G-VII-plus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD037R | G-VII-plus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD038  | G-VIII-plus | Low risk | 20/12/2012 |

|                                      |        |              |          |            |
|--------------------------------------|--------|--------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD038R | G-VIII-plus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD039  | G-XI-plus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD039R | G-XI-plus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD040  | UTI-VIII     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD040R | UTI-VIII     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD041  | G-XII-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD041R | G-XII-plus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD042  | G-VI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD042R | G-VI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD043  | G-VII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD043R | G-VII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD044  | G-VIII-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD044R | G-VIII-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD045  | G-IX-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD045R | G-IX-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD046  | G-X-minus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD046R | G-X-minus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD047  | G-XI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD047R | G-XI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD048  | UTI-IX       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD048R | UTI-IX       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD049  | G-XIII- plus | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD049R | G-XIII- plus | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD050  | G-XIV- plus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD050R | G-XIV- plus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD051  | UTI-X        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD051R | UTI-X        | Low risk | 20/12/2012 |

|                                      |        |               |          |            |
|--------------------------------------|--------|---------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD052  | UTI-XI        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD052R | UTI-XI        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD053  | G-XII-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD053R | G-XII-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD054  | UTI-XII       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD054R | UTI-XII       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD055  | G-XIII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD055R | G-XIII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD056  | Combi 59      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD056R | Combi 59      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD057  | G-XVIII-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD057R | G-XVIII-minus | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD058  | G-XIX-minus   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD058R | G-XIX-minus   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD059  | G-XX-minus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD059R | G-XX-minus    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD060  | G-XXI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD060R | G-XXI-minus   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD061  | G-XXII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD061R | G-XXII-minus  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD062  | G-XXIII-minus | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD062R | G-XXIII-minus | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD063  | Pseudo V      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD063R | Pseudo V      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD064  | Combi-XIV     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD064R | Combi XIV     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD065  | UTI-XVII      | Low risk | 25/08/2016 |

|                                      |        |             |          |            |
|--------------------------------------|--------|-------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD065R | UTI-XVII    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD066  | Combi 82    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD066R | Combi 82    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD067  | Combi 83    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD067R | Combi 83    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD202  | Comb XXI    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD209  | Combi 28    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD211  | Combi 30    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD211R | Combi 30    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD212  | Combi 31    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD215  | Combi 34    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD215R | Combi 34    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD216  | Combi 35    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD216R | Combi 35    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD220  | Combi 39    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD221  | Combi 40    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD223  | G XIV minus | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD224  | G XV plus   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD225  | UTI XIII    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD226  | Combi 41    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD227  | UTI-XIV     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD228  | Pseudo II   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD229  | G-XV-minus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD230  | G-XVI-plus  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD231  | Combi -42   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD232  | Combi 43    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD233  | Combi 44    | Low risk | 25/08/2016 |

|                                      |        |                              |          |            |
|--------------------------------------|--------|------------------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD233R | Combi 44                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD234  | Combi 45                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD234R | Combi 45                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD241  | Combi 49                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD241R | Combi 49                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD243  | G XVII minus                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD244  | G XIX plus                   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD248  | Combi-53                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD249  | Combi-54                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD250  | Pseudo - III for Pseudomonas | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD251  | GXX plus                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD253  | Combi 56                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD256  | Combi 59                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD256R | Combi 59                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD257  | Combi 60                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD257R | Combi 60                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD258  | Combi 61                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD258R | Combi 61                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD259  | Combi 62                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD259R | Combi 62                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD260  | UTI-XIII                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD261  | UTI-XIV                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD262  | UTI-E                        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD263  | UTI-XV                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD264  | Pseudo II                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD265  | Combi 63                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD266  | Combi 64                     | Low risk | 25/08/2016 |

|                                      |         |          |          |            |
|--------------------------------------|---------|----------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD267   | Combi 65 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD268   | Combi 66 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD269   | Combi 67 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD269R  | Combi 67 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD270   | Combi 68 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD270R  | Combi 68 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD271   | Combi 69 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD271R  | Combi 69 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD272   | Combi 70 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD272R  | Combi 70 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD273   | Combi 71 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD273R  | Combi 71 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD274   | Combi 72 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD274R  | Combi 72 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD275   | Combi 73 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD275R  | Combi 73 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD275RS | Combi 60 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD275S  | Combi 60 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD276   | Combi 84 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD276R  | Combi 84 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD277   | Combi 77 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD277R  | Combi 77 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD278   | Combi 78 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD278R  | Combi 78 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD279   | Combi 79 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD279R  | Combi 79 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD280   | Combi 80 | Low risk | 20/12/2012 |

|                                      |        |           |          |            |
|--------------------------------------|--------|-----------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD280R | Combi 80  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD281  | Combi 85  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD281R | Combi 85  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD282  | Combi 505 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD282R | Combi 505 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD283  | Combi 506 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD283R | Combi 506 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD284  | Combi 508 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD284R | Combi 508 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD285  | Combi 509 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD285R | Combi 509 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD286  | Combi 510 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD286R | Combi 510 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD287  | Combi 511 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD287R | Combi 511 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD288  | Combi 512 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD288R | Combi 512 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD289  | Combi 513 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD289R | Combi 513 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD290  | Combi 514 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD290R | Combi 514 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD291  | Combi 90  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD291R | Combi 90  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD292  | Combi 91  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD292R | Combi 91  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD293  | Combi 92  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD293R | Combi 92  | Low risk | 20/12/2012 |

|                                      |        |            |          |            |
|--------------------------------------|--------|------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD294  | Combi 93   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD294R | Combi 93   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD295  | Combi 516  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD295R | Combi 516  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD296  | Combi 517  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD296R | Combi 517  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD297  | Combi 518  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD297R | Combi 518  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD298  | Combi 94   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD298R | Combi 94   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD299  | Combi 95   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD299R | Combi 95   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD300  | Combi 96   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD300R | Combi 96   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD301  | G minus-24 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD301R | G minus-24 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD302  | G minus-25 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD302R | G minus-25 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD303  | G Plus-15  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD303R | G Plus-15  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD304  | G Plus-16  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD304R | G Plus-16  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD305  | G Plus-17  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD305R | G Plus-17  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD306  | UTI-18     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD306R | UTI-18     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD307  | Pseudo VI  | Low risk | 20/12/2012 |



|                                      |        |               |          |            |
|--------------------------------------|--------|---------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD307R | Pseudo VI     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD308  | Universal - 1 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD308R | Universal - 1 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD309  | G Plus-18     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD309R | G Plus-18     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD310  | G minus-26    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD310R | G minus-26    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD311  | G minus-27    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD311R | G minus-27    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD312  | G Minus - 28  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD312R | G Minus - 28  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD313  | G Minus - 29  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD313R | G Minus - 29  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Multi Discs) | OD704  | Combi 77      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD705  | Combi 78      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD706  | Combi 79      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD707  | Combi 80      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD708  | Combi 81      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD709  | Combi 85      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD710  | Combi 86      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD711  | Combi 501     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD712  | Combi 502     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD713  | Combi 503     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD714  | Combi 504     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD715  | Combi 505     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD716  | Combi 506     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD717  | Octodiscs-A   | Low risk | 25/08/2016 |

|                                      |        |             |          |            |
|--------------------------------------|--------|-------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD718  | Octodiscs-B | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD719  | Octodiscs-C | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD720  | Octodiscs-D | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD721  | Octodiscs-E | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD722  | Octodiscs-F | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD723  | Octodiscs-G | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD724  | Combi 507   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD725  | Combi 508   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD726  | Combi 509   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD727  | Combi 510   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD728  | Combi 511   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD729  | Combi 512   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD730  | Combi 513   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD731  | Combi 514   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD732  | Combi 515   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD733  | Combi 516   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD734  | Combi 517   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD735  | Combi 518   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD736R | Combi 519   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD737  | Combi 520   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD737R | Combi 520   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD738  | Combi 521   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD738R | Combi 521   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD739  | Combi 522   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD739R | Combi 522   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD740  | Combi 523   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD740R | Combi 523   | Low risk | 25/08/2016 |

|                                      |        |           |          |            |
|--------------------------------------|--------|-----------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD741  | Combi 524 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD741R | Combi 524 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD742  | Combi 525 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD742R | Combi 525 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD743  | Combi 526 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD743R | Combi 526 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD744  | Combi 527 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD744R | Combi 527 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD745  | Combi 528 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD745R | Combi 528 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD746  | Combi 529 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD746R | Combi 529 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD747  | Combi 530 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD747R | Combi 530 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD748  | Combi 531 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD748R | Combi 531 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD749  | Combi 532 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD749R | Combi 532 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD750  | Combi 533 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD750R | Combi 533 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD751  | Combi 534 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD751R | Combi 534 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD752  | Combi 535 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD752R | Combi 535 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD753  | Combi 536 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD753R | Combi 536 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD754  | Combi 537 | Low risk | 25/08/2016 |

|                                      |        |           |          |            |
|--------------------------------------|--------|-----------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD754R | Combi 537 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD755  | Combi 538 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD755R | Combi 538 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD756  | Combi 539 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD756R | Combi 539 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD757  | Combi 540 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD757R | Combi 540 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD758  | Combi 541 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD758R | Combi 541 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD759  | Combi 542 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD759R | Combi 542 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD760  | Combi 543 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD760R | Combi 543 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD761  | Combi 544 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD761R | Combi 544 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD762  | Combi 545 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD762R | Combi 545 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD763  | Combi 546 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD763R | Combi 546 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD764  | Combi 547 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD764R | Combi 547 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD765  | Combi 548 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD765R | Combi 548 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD766  | Combi 549 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD766R | Combi 549 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD767  | Combi 550 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD767R | Combi 550 | Low risk | 25/08/2016 |

|                                      |        |           |          |            |
|--------------------------------------|--------|-----------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs) | OD768  | Combi 551 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD768R | Combi 551 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD769  | Combi 552 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD769R | Combi 552 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD770  | Combi 553 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD770R | Combi 553 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD771  | Combi 554 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD771R | Combi 554 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Multi Discs) | OD772  | Combi 555 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD772R | Combi 555 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD773  | Combi 556 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD773R | Combi 556 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD774  | Combi 557 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD774R | Combi 557 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD775  | Combi 558 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD775R | Combi 558 | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Multi Discs) | OD776  | Combi 559 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD776R | Combi 559 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD777  | Combi 560 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD777R | Combi 560 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD778  | Combi 561 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD778R | Combi 561 | Low risk | 04/07/2018 |
| ASS- Sensitivity Discs (Multi Discs) | OD779  | Combi 562 | Low risk | 22/04/2019 |
| ASS- Sensitivity Discs (Multi Discs) | OD779R | Combi 562 | Low risk | 22/04/2019 |
| ASS- Sensitivity Discs (Multi Discs) | OD780  | Combi 563 | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | OD780R | Combi 563 | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs) | OD781  | Combi 564 | Low risk | 10/11/2020 |

|                                       |        |                                      |          |            |
|---------------------------------------|--------|--------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Multi Discs)  | OD781R | Combi 564                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD782  | Combi 565                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD782R | Combi 565                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD783  | Combi 566                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD783R | Combi 566                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD784  | Combi 567                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Multi Discs)  | OD784R | Combi 567                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Single Discs) | SD001  | Amoxycillin                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD002  | Ampicillin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD002A | Ampicillin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD003  | Bacitracin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD004  | Carbenicillin                        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD005  | Cefaloridine (Cephaloridine)         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD006  | Chloramphenicol                      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD006B | Chloramphenicol(2 mcg)               | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD007  | Chlortetracycline                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD008  | Cloxacillin                          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD009  | Colistin (Methane Sulphonate)        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD010  | Co-Trimoxazole (Sulpha/Trimethoprim) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD012  | Doxycycline Hydrochloride            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD013  | Erythromycin                         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD014  | Framycetin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD015  | Furazolidone                         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD016  | Gentamicin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD017  | Kanamycin                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD018  | Lincomycin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD019  | Methicillin                          | Low risk | 20/12/2012 |

|                                       |        |                                |          |            |
|---------------------------------------|--------|--------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD020  | Metronidazole                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD021  | Nalidixic Acid                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD022  | Neomycin                       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD023  | Nitrofurantoin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD023A | Nitrofurantoin                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD024  | Nitrofurazone                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD025  | Nystatin                       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD026  | Oleandomycin                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD027  | Oxytetracycline                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD028  | Penicillin-G                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD029  | Polymyxin-B                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD030  | Rifampicin                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD031  | Streptomycin                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD032  | Sulphafurazole (Sulfisoxazole) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD033  | Sulphamethizole                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD034  | Sulphadiazine                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD035  | Amikacin                       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD036  | Sulphaphenazole                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD037  | Tetracycline                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD038  | Triple Sulphas                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD039  | Trimethoprim                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD040  | Cefotaxime                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD040A | Cefotaxime                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD041  | Cefoxitin                      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD042  | Furoxone                       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD043  | Oxacillin                      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD044  | Tobramycin                     | Low risk | 20/12/2012 |

|                                       |        |                                         |          |            |
|---------------------------------------|--------|-----------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD045  | Vancomycin                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD046  | Netillin                                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD047  | Cefazolin                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD048  | Cefalexin(Cephalexin)                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD049  | Cycloserine                             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD050  | Cephalothin                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD051  | Clindamycin                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD052  | Dicloxacillin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD053  | Novobiocin                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD054  | Spiramycin                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD055  | Sulphamethoxypyridazine                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD056  | Sulfasomidine                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD056A | Sulphamethoxazole                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD057  | Norfloxacin                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD058  | Co-Trimazine (Vet.)                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD059  | Sisomicin                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD060  | Ciprofloxacin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD060A | Ciprofloxacin                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD061  | Cefuroxime                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD062  | Ceftazidime                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD062A | Ceftazidime                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD063  | Amoxyclav (Amoxycillin/Clavulanic acid) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD063A | Augmentine                              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD064  | Azlocillin                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD065  | Ceftriaxone                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD066  | Piperacillin                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD066A | Piperacillin                            | Low risk | 20/12/2012 |



|                                       |       |                       |          |            |
|---------------------------------------|-------|-----------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD067 | Sterile Discs         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD068 | Methanamine Mandalate | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD069 | Ofloxacin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD070 | Pefloxacin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD071 | Co-Trimazine (Human)  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD072 | Cefoperazone          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD073 | Imipenem              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD074 | Ticarcillin           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD075 | Cloxacillin           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD076 | Amoxycillin           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD077 | Ampicillin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD078 | Amoxyclav             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD079 | Cefaloridine          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD080 | Ciprofloxacin         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD081 | Chloramphenicol       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD082 | Amikacin              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD083 | Erythromycin          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD084 | Lincomycin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD085 | Netillin              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD086 | Nitrofurantoin        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD087 | Ofloxacin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD088 | Oxacillin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD089 | Penicillin-G          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD090 | Nitrofurantoin        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD091 | Streptomycin          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD092 | Sulphadiazine         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD093 | Trimethoprim          | Low risk | 20/12/2012 |

|                                       |       |                               |          |            |
|---------------------------------------|-------|-------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD094 | Azlocillin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD096 | Rifampicin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD097 | Colistin (Methane Sulphonate) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD098 | Lincomycin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD099 | Metronidazole                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD101 | Spiramycin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD102 | Penicillin-G (1.5 units)      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD103 | Nitrofurantoin NIT            | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD104 | Neomycin N                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD105 | Bacitracin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD106 | Polymyxin-B                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD107 | Metronidazole                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD108 | Colistin (Methane Sulphonate) | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD109 | Ceftriaxone                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD110 | Ceftizoxime                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD111 | Amphotericin-B                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD112 | Ampicillin/Sulbactam          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD113 | Ampicillin/Cloxacillin        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD114 | Fluconazole                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD115 | Clotrimazole                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD116 | Cefadroxil (Cephadroxil)      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD117 | Bacitracin (0.1 units)        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD118 | Bacitracin (2 units)          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD119 | Bacitracin (1 unit)           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD120 | Doxycycline Hydrochloride     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD121 | Novobiocin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD123 | Tetracycline T                | Low risk | 25/08/2016 |

|                                       |       |                 |          |            |
|---------------------------------------|-------|-----------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD124 | Azithromycin    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD125 | Lomefloxacin    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD126 | Roxithromycin   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD127 | Rifampicin      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD128 | Rifampicin      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD129 | Amoxycillin     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD130 | Cephaloridine   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD131 | Chloramphenicol | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD132 | Piperacillin    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD133 | Tetracycline    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD134 | Tobramycin TB   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD135 | Trimethoprim    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD136 | Methicillin     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD137 | Methicillin     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD138 | Erythromycin    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD139 | Polymyxin-B     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD140 | Floxidin        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD141 | Floxidin        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD142 | Ciprofloxacin   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD143 | Cloxacillin     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD144 | Penicillin-G    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD145 | Penicillin-G    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD147 | Tetracycline    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD148 | Trimethoprim    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD149 | Trimethoprim    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD150 | Enrofloxacin    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD152 | Penicillin-G    | Low risk | 25/08/2016 |

|                                       |       |                        |          |            |
|---------------------------------------|-------|------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD153 | Chloramphenicol        | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD154 | Tobramycin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD155 | Vancomycin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD156 | Enrofloxacin           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD157 | Cefaclor               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD158 | Minocycline            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD159 | Cephadrine             | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD160 | Cefradine              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD161 | Trimethoprim           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD162 | Sparfloxacin           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD163 | Vancomycin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD164 | Clindamycin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD165 | Cloxacillin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD166 | Gentamicin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD167 | Penicillin-G           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD168 | Ceftriaxone Ci         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD169 | Fusidic Acid           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD170 | Gentamicin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD171 | Fusidic Acid           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD174 | Polymyxin-B Pb         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD175 | Pipemidic Acid         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD176 | Mecillinam             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD177 | Mecillinam             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD178 | Pristinomycin          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD179 | Fosfomycin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD180 | Oxolinic Acid (10 mcg) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD181 | Spectinomycin          | Low risk | 20/12/2012 |

|                                       |       |                              |          |            |
|---------------------------------------|-------|------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD182 | Virginamycin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD184 | Norfloxacin                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD185 | Pipemidic Acid               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD186 | Oxolinic Acid (2 mcg)        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD187 | Flumequine (2 mcg)           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD188 | Dibekacine (10 mcg)          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD189 | Oxolinic Acid (5 mcg)        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD190 | Flumequine (5 mcg)           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD191 | Kanamycin (1 mcg) (K1)       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD192 | Clarithromycin               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD195 | Gentamicin                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD196 | Nitroxoline                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD197 | Furazolidone                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD198 | Flumequine                   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD199 | Tylosine                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD200 | Cefamandole                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD201 | Ticarcillin                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD203 | Cefoperazone                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD204 | Azithromycin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD205 | Fosfomycin                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD206 | Lomefloxacin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD207 | Ceftazidime /Clavulanic acid | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD209 | Cefprozil                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD210 | Piperacillin/Tazobactam      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD211 | Cefixime                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD212 | Aztreonam                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD213 | Teicoplanin                  | Low risk | 20/12/2012 |

|                                       |       |                                                                                                                                                                                                        |          |            |
|---------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD214 | Isepamicin                                                                                                                                                                                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD215 | Linezolid                                                                                                                                                                                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD216 | Levofloxacin                                                                                                                                                                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD217 | Moxifloxacin                                                                                                                                                                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD218 | Cefdinir                                                                                                                                                                                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD219 | Cefepime                                                                                                                                                                                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD220 | Moxalactam                                                                                                                                                                                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD221 | Itraconazole                                                                                                                                                                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD222 | Erythromycin                                                                                                                                                                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD223 | Kanamycin                                                                                                                                                                                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD224 | Ketoconazole                                                                                                                                                                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD225 | Mezlocillin                                                                                                                                                                                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD231 | Cefoperazone :Sulbactam (30mcg:10mcg)                                                                                                                                                                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD232 | Fluconazole                                                                                                                                                                                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD233 | Amphotericin B                                                                                                                                                                                         | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD234 | Cefepime                                                                                                                                                                                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD235 | Cefpirome                                                                                                                                                                                              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD236 | Streptomycin For detection of HLAR Strains.                                                                                                                                                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD237 | Enoxacin                                                                                                                                                                                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD238 | Kit I for ESBL Identification, Cefotaxime (Cephataxime) Kit contains 6 cartridges (6CT): 3CT of SD040 Cefotaxime (Cephataxime) 30 mcg, 3CT of SD724 Cefotaxime (Cephataxime)/Clavulanic acid 30/10 mcg | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD239 | Kit II for ESBL Identification, Cefepime Kit contains 6 cartridges (6CT): 3CT of SD219 Cefepime 30 mcg, 3CT of SD234 Cefepime /Clavulanic acid 30/10 mcg                                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD240 | Kit III for ESBL Identification, Ceftazidime Kit contains 6 cartridges (6CT): 3CT of SD062 Ceftazidime 30 mcg, 3CT of SD207 Ceftazidime /Clavulanic acid 30/10 mcg                                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD241 | Kit IV for ESBL Identification, Cefpirome Kit contains 6 cartridges (6CT): 3CT of SD738 Cefpirome 30 mcg, 3CT of SD235 Cefpirome /Clavulanic acid 30/7.5 mcg                                           | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD242 | Kit V for ESBL identif                                                                                                                                                                                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD243 | Amoxyclav (Amoxycillin / Clavulanicacid)                                                                                                                                                               | Low risk | 25/08/2016 |

|                                       |       |                              |          |            |
|---------------------------------------|-------|------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD244 | Cefmetazole                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD245 | Cinoxacin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD246 | Nafcillin                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD247 | Cefepime/Tazobactam          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD248 | Cefonicid                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD249 | Cefotetan                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD250 | Gemifloxacin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD251 | Ceftriaxone/Tazobactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD252 | Ceftazidime/Tazobactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD253 | Cefoperazone/Tazobactam      | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD254 | Cefoperazone/                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD255 | Cefpodoxime/ Clavulanic acid | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD256 | Ceftriaxone/Tazobactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD257 | Cefepime/Tazobactam          | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD258 | Nadifloxacin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD259 | Cefoperazone/Sulbactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD260 | Lomefloxacin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD261 | Ceftriaxone/ Sulbactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD262 | Cefepime                     | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD263 | Aztreonam                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD264 | Amoxycillin/                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD265 | Imipenem/Cilastin            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD266 | Cefixime/                    | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD267 | Prulifloxacin                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD268 | Prulifloxacin                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD269 | Ceftazidime/Tazobactam       | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD270 | Amphotericin B               | Low risk | 20/12/2012 |

|                                       |        |                           |          |            |
|---------------------------------------|--------|---------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD271  | Nystatin                  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD272  | Miconazole                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD273  | Miconazole                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD274  | Ketoconazole              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD275  | Ketoconazole              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD276  | Itraconazole              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD277  | Voriconazole              | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD278  | Tigecycline               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD279  | Faropenem                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD280  | Ertapenem                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD281  | Amoxyclav                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD282  | Imipenem-EDTA             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD283  | Doripenem                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD284  | Cloxacillin               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD285  | Cefoxitin-                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD286  | Amoxycillin/Sulbactam     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD287  | Ampicillin/Sulbactam      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD288  | Cefotaxime CTX            | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD289  | Ceftriaxone CTR           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD290E | Ceftaroline               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD291E | Telithromycin             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD292E | Piperacillin / Tazobactam | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD293E | Mupirocin                 | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD294E | Ceftibuten                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD295E | Cefotaxime CTX            | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD296E | Linezolid LZ              | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD297  | Colistin Sulphate         | Low risk | 17/06/2021 |



|                                       |       |                                         |          |            |
|---------------------------------------|-------|-----------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD298 | Caspofungin                             | Low risk | 17/06/2021 |
| ASS- Sensitivity Discs (Single Discs) | SD701 | Carbenicilline                          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD704 | Cefradine                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD705 | Amoxycillin (2 mcg)                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD709 | Novobiocin ( 5mcg )                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD712 | Oleandomycin (5 mcg)                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD715 | Fluconazole ( 25 mcg )                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD722 | Penicillin-G (2mcg)                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD723 | Ampicillin (20mcg)                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD724 | Cefotaxime/Clavulanic acid (30/10 mcg)  | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD725 | Cefpodoxime                             | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD726 | Ceftazimide/Clavulinic ( 3/10 mcg )     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD727 | Meropenem                               | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD730 | Metronidazole (50 mcg)                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD731 | Neomycin                                | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD732 | Novobiocin (5mcg)                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD736 | Bacitracin B 0.05 units /disc           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD737 | Gatifloxacin                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD738 | Cefpirome (Cfp) (30mcg)                 | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD740 | Gatifloxacin                            | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD741 | Cephataxime/Sulbactam (30/15 mcg)       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD744 | Ofloxacin Of 30 mcg                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD745 | Norfloxacin (30mcg)                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD746 | Gentamicin (200mcg)                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD748 | Mupirocin MU 5 mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD751 | Cefpodoxime/ Clavulanic acid (10/1 MCG) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD753 | Gatifloxacin                            | Low risk | 20/12/2012 |

|                                       |       |                                            |          |            |
|---------------------------------------|-------|--------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD755 | Ceftiofur (0.2mcg)                         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD756 | Ceftiaxone (30 mcg) / Sulbactam (15 mcg)   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD761 | Sparfloxacin Sc (10mcg)                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD764 | Ceftriaxone/ Tazobactam (80/10 mcg)        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD765 | Gemifloxacin (GEM) 5mcg                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD767 | Ceftazidime-Tazobactam (CaT) (30/10 mcg)   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD768 | Cefoperazone-tazobactam (75/10mcg)         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD769 | Cefoperazone-Sulbactam (Cfs) (75/10 mcg)   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD770 | Cefepime/Tazobactam (30/10 mcg)            | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD771 | Cefpodoxime / Clavulanic acid (10/5 mcg)   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD773 | Piperacillin / Sulbactam (100/10 mcg )     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD774 | Faropenem (5 mcg)                          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD775 | Ceftriaxone (30 mcg) / Tazobactam (10 mcg) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD776 | Cefepime (80 mcg) / Tazobactam (10 mcg)    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD777 | Nadifloxacin (5 mcg)                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD779 | Cefoperazone / Sulbactam (50 / 50 mcg)     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD780 | Lomefloxacin Lo (15 mcg)                   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD781 | Cefixime/Clavulanic acid Cmc (200/125 mcg) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD782 | Cefepime Cpm (50 mcg)                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD783 | Aztreonam Ao (50 mcg)                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD784 | Amoxycillin/Sulbactam Ams (30/15 mcg)      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD785 | Imipenem/Cilastatin Ic (10/10 mcg)         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD786 | Cefixime / Clavulanic acid Cmc (5/10 mcg)  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD787 | Prulifloxacin Pr (10 mcg)                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD788 | Prulifloxacin Pr (5 mcg)                   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD789 | Ceftriaxone / Sulbactam (500/250 mcg)      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD790 | Ceftriaxone / Sulbactam (1000/500 mcg)     | Low risk | 25/08/2016 |

|                                       |        |                                          |          |            |
|---------------------------------------|--------|------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD791  | Piperacillin + Tazobactam (80:10 mcg)    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD792  | Pazufloxacin (PZ) (25 mcg)               | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD793  | Cefditoren (10 mcg)                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD794  | Cefpodoxime/Clavulanic acid (10/6.25mcg) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD795  | Cefipime / Amikacin (30 / 7.5 mcg)       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD796  | Cefepime / Sulbactam (30/15 mcg) CPS     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD797  | Ceftazidime / Sulbactam (30/15 mcg) CAS  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD798  | Ceftriaxone/Tobramycin (30/5.4 mcg) CTB  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD799  | Ceftriaxone/Vancomycin (30/15 mcg) CVA   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD800  | Cefpirome / Sulbactam (30/15 mcg) CRS    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD801  | Cefaperazone/Sulbactam (70/35mcg)(CSB)   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD802  | Ceftazidime Tobramycin (30+3.6 mcg) CFT  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD803  | Amoxycillin/Clavulanic acid AC 50/10 mcg | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD804  | Cefpodoxime / Clavulanic acid (24:15mcg) | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD805  | Cefixime : Ofloxacin COF 5:5 mcg         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD806  | Balofloxacin BF 5 mcg                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD807  | Tigecycline TGC 20 mcg                   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD808  | Ampicillin / Cloxacillin 128/128µg Ax    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD809  | Amoxycillin/Cloxacillin 128/128µg ACX    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD810  | Gentamicin GEN 128µg                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD811  | Enrofloxacin EX 8µg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD812  | Ciprofloxacin CIP 8µg                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD813  | Tetracyclin TE 128µg                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD814  | Chloramphenicol C 8 mcg                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD815  | Streptomycin/Penicillin SPN 128/128mcg   | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD816  | Ceftazidime/Tobramycin CFT 30/10mcg      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD816V | Ceftazidime/Tobramycin CFT (30:10)       | Low risk | 25/08/2016 |

|                                       |        |                                            |          |            |
|---------------------------------------|--------|--------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD817  | Cefepime / Amikacin CPA 30/10mcg           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD818  | Balofloxacin BF 10mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD819  | Oxacillin Ox 10mcg                         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD820  | Cefixime                                   | Low risk | 20/12/2012 |
| ASS- Sensitivity Discs (Single Discs) | SD821  | Cefpodoxim CPD 30mcg                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD822  | Garenoxacin GRN 5 mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD823  | Sitafloxacin STX 5 mcg                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD824  | Tosufloxacin TOS 5 mcg                     | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD825  | Biapenem BPM 10 mcg                        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD826  | Cefepime Amikacin 58.8:14.6.mcg CPA        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD827  | Florfenikol FLO 30mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD828  | Cefpodoxime:Levofloxacin 10:5 mcg          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD829  | Meropenem/Sulbactam MRS 10:5 mcg           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD830V | Ceftriazone Vancomycin CVA (30:30)         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD831  | Ampicillin/Sulbactam (A/S) 20:10           | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD832  | Cefixime : Azithromycin CFA 5:15 mcg       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD833  | Cefquinome CEQ 30mcg                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD834  | Ceftriaxone CTR 128 mcg                    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD835  | Sulphatrimethoprim STM 128/128 mcg         | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD836  | Erythromycin E 60 mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD837  | Kanmycin K 1000 mcg                        | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD838  | Quninupristin/Dalfopristin RP 15/15 mcg    | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD839  | Levofloxacin/Cefpodoxime LEC 250 : 200 mcg | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD840  | Ampicillin/Sulbactam A/S 20/12.5 mcg       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD841  | Garenoxacin GRN 1mcg                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD842  | Garenoxacin GRN 5mcg                       | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD843  | Mipenem (Meropenem) MIP 10 mcg             | Low risk | 25/08/2016 |

|                                       |        |                                                   |          |            |
|---------------------------------------|--------|---------------------------------------------------|----------|------------|
| ASS- Sensitivity Discs (Single Discs) | SD844  | Ranicef (Cefdinir) RNF 5 mcg                      | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD845  | Clavamox (Amoxycillin / Clavulanic acid)          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD846  | Ciprotab (Ciprofloxacin) CPT 5 mcg                | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD847  | Ciprotab (Ciprofloxacin) CPT 10mcg                | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD848  | Meropenem/Sulbactam MRS 2/200mcg                  | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD849  | Flucloxacillin FCO 30mcg                          | Low risk | 25/08/2016 |
| ASS- Sensitivity Discs (Single Discs) | SD850  | Cefuroxime/Clavulanic acid CCV 30/7.5mcg          | Low risk | 28/04/2017 |
| ASS- Sensitivity Discs (Single Discs) | SD851  | Cefixime/Dicloxacillin CDC 5/12.5mcg              | Low risk | 28/04/2017 |
| ASS- Sensitivity Discs (Single Discs) | SD852  | Cefpodoxime / Clavulanic acid CCL 10/5mcg         | Low risk | 16/12/2017 |
| ASS- Sensitivity Discs (Single Discs) | SD853  | Nafithromycin NFT 15mcg                           | Low risk | 30/10/2018 |
| ASS- Sensitivity Discs (Single Discs) | SD854  | Levonadifloxacin LND 10mcg                        | Low risk | 30/10/2018 |
| ASS- Sensitivity Discs (Single Discs) | SD855  | Dicrysticin-S DCR 50mcg                           | Low risk | 22/04/2019 |
| ASS- Sensitivity Discs (Single Discs) | SD856  | Garenoxacin GRN 10mcg                             | Low risk | 22/04/2019 |
| ASS- Sensitivity Discs (Single Discs) | SD857  | Cefepime / sulbactam                              | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Single Discs) | SD858  | Cefotaxime / Sulbactam                            | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Single Discs) | SD859  | Ceftizoxime / Sulbactam                           | Low risk | 10/11/2020 |
| ASS- Sensitivity Discs (Single Discs) | SD860  | Meropenem / EDTA                                  | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM001 | Amikacin HiComb™ MIC Strip, Modified              | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM002 | Amoxicillin HiComb™ MIC Strip, Modified           | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM003 | Amoxyclav HiComb™ MIC Strip, Modified             | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM068 | Ampicillin HiComb™ MIC Strip, Modified            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM109 | Ampicillin /Sulbactam HiComb™ MIC Strip, Modified | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM070 | Cefepime HiComb™ MIC Strip, Modified              | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM064 | Cefotaxime HiComb™ MIC Strip, Modified            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM101 | Cefoxitin HiComb™ MIC Strip, Modified             | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM012 | Ceftazidime HiComb™ MIC Strip, Modified           | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM066 | Ceftriaxone HiComb™ MIC Strip, Modified           | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM016 | Chloramphenicol HiComb™ MIC Strip, Modified       | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified       | MDM017 | Ciprofloxacin HiComb™ MIC Strip, Modified         | Low risk | 10/11/2020 |

|                                 |        |                                                                                    |          |            |
|---------------------------------|--------|------------------------------------------------------------------------------------|----------|------------|
| ASS-HiComb™ MIC Strip, Modified | MDM020 | Colistin HiComb™ MIC Strip, Modified                                               | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM108 | Fosfmycin HiComb™ MIC Strip, Modified                                              | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM025 | Gentamicin HiComb™ MIC Strip, Modified                                             | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM080 | Meropenem HiComb™ MIC Strip, Modified                                              | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM065 | Oxacillin HiComb™ MIC Strip, Modified                                              | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM084 | Penicillin HiComb™ MIC Strip, Modified                                             | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM043 | Polymyxin B HiComb™ MIC Strip, Modified                                            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM055 | Teicoplanin HiComb™ MIC Strip, Modified                                            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM056 | Tetracycline HiComb™ MIC Strip, Modified                                           | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM089 | Tigecycline HiComb™ MIC Strip, Modified                                            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM059 | Trimethoprim HiComb™ MIC Strip, Modified                                           | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM060 | Vancomycin HiComb™ MIC Strip, Modified                                             | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM071 | Amphotericin B HiComb™ MIC Strip, Modified                                         | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM072 | Fluconazole HiComb™ MIC Strip, Modified                                            | Low risk | 10/11/2020 |
| ASS-HiComb™ MIC Strip, Modified | MDM086 | Voriconazole HiComb™ MIC Strip, Modified                                           | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK001 | Amikacin HiMIC™ Plate Kit<br>(contains HMP001,LQ314II,PW1378,R-MPK001)             | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK068 | Ampicillin HiMIC™ Plate Kit<br>(contains HMP068,LQ314II,PW1378,R-MPK068)           | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK109 | Ampicillin/Sulbactam HiMIC™ Plate Kit<br>(contains HMP109,LQ314II,PW1378,R-MPK109) | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK071 | Amphotericin B HiMIC™ Plate Kit<br>(contains HMP071,LQ314I,PW1378,R-MPK071)        | Low risk | 17/06/2021 |
| ASS-HiMIC™ Plate Kit            | MPK070 | Cefepime HiMIC™ Plate Kit<br>(contains HMP070,LQ314I,PW1378,R-MPK070)              | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK101 | Cefoxitin HiMIC™ Plate Kit<br>(contains HMP101,LQ314II,PW1378,R-MPK101)            | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK012 | Ceftazidime HiMIC™ Plate Kit<br>(contains HMP012,LQ314II,PW1378,R-MPK012)          | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK016 | Chloramphenicol HiMIC™ Plate Kit<br>(contains HMP016,LQ314II,PW1378,R-MPK016)      | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK017 | Ciprofloxacin HiMIC™ Plate Kit<br>(contains HMP017,LQ314II,PW1378,R-MPK017)        | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK019 | Clindamycin HiMIC™ Plate Kit<br>(contains HMP019,LQ314II,PW1378,R-MPK019)          | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit            | MPK020 | Colistin HiMIC™ Plate Kit<br>(contains HMP020,LQ314II,PW1378,R-MPK020)             | Low risk | 10/11/2020 |

|                      |        |                                                                                      |          |            |
|----------------------|--------|--------------------------------------------------------------------------------------|----------|------------|
| ASS-HiMIC™ Plate Kit | MPK085 | Ertapenem HiMIC™ Plate Kit<br>(contains HMP085,LQ314II,PW1378,R-MPK085)              | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK025 | Gentamicin HiMIC™ Plate Kit<br>(contains HMP025,LQ314II,PW1378,R-MPK025)             | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK104 | Imipenem HiMIC™ Plate Kit<br>(contains HMP104,LQ314II,PW1378,R-MPK104)               | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK156 | Isavuconazole HiMIC™ Plate Kit<br>(contains HMP156,LQ314I,PW1378,R-MPK156)           | Low risk | 17/06/2021 |
| ASS-HiMIC™ Plate Kit | MPK073 | Itraconazole HiMIC™ Plate Kit<br>(contains HMP073,LQ314I,PW1378,R-MPK073)            | Low risk | 17/06/2021 |
| ASS-HiMIC™ Plate Kit | MPK080 | Meropenem HiMIC™ Plate Kit<br>(contains HMP080,LQ314I,PW1378,R-MPK080)               | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK084 | Penicillin HiMIC™ Plate Kit<br>(contains HMP084,LQ314II,PW1378,R-MPK084)             | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK042 | Piperacillin/Tazobactam HiMIC™ Plate Kit<br>(contains HMP042,LQ314I,PW1378,R-MPK042) | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK043 | Polymyxin B HiMIC™ Plate Kit<br>(contains HMP043,LQ314II,PW1378,R-MPK043)            | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK120 | Posaconazole HiMIC™ Plate Kit<br>(contains HMP120,LQ314II,PW1378,R-MPK120)           | Low risk | 17/06/2021 |
| ASS-HiMIC™ Plate Kit | MPK055 | Teicoplanin HiMIC™ Plate Kit<br>(contains HMP055,LQ314II,PW1378,R-MPK055)            | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK089 | Tigecycline HiMIC™ Plate Kit<br>(contains HMP089,LQ314II,PW1378,R-MPK089)            | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK060 | Vancomycin HiMIC™ Plate Kit<br>(contains HMP060,LQ314II,PW1378,R-MPK060)             | Low risk | 10/11/2020 |
| ASS-HiMIC™ Plate Kit | MPK086 | Variconazole HiMIC™ Plate Kit<br>(contains HMP086,LQ314II,PW1378,R-MPK086)           | Low risk | 17/06/2021 |





**qualityaustria**  
Succeed with Quality



# CERTIFICATE

Quality Austria Certification GmbH awards  
this **qualityaustria** certificate to the following  
organisation:

This **qualityaustria** certificate confirms the application  
and further development of an effective

**HIMEDIA**

**HiMedia Laboratories Pvt. Ltd.**

Plot No. C40, Road - 21Y, WAGLE Industrial Estate,  
Thane (West) - 400604 Maharashtra, India

**QUALITY MANAGEMENT SYSTEM**

complying with the requirements of standard

**ISO 13485:2016**

Medical devices - Quality management systems -  
Requirements for regulatory purposes

Quality Austria  
Certification GmbH is  
accredited according to  
the Austrian Accreditation  
Act by the BMWFV  
(Federal Ministry of  
Science, Research and  
Economy).

Quality Austria is  
accredited as an  
organisation for  
environmental verification  
by the BMLFUW (Federal  
Ministry of Agriculture,  
Forestry, Environment and  
Water Management).

Quality Austria is  
authorized by the VDA  
(Association of the  
Automotive Industry).

For accreditation  
registration details please  
refer to the applicable  
decisions or recognition  
documents.

Quality Austria is the  
Austrian member of IQNet  
(International Certification  
Network).



Design, Development & Manufacturing of Biosciences  
Products for application in Microbiology, Cell Biology  
& Molecular Biology Products.

The validity of the **qualityaustria** certificate will be  
maintained by annual surveillance audits and one  
renewal audit after three years.

Registration No.: M-00391/0

Date of initial issue: 28 February 2022

Valid until: 27 February 2028

Vienna, 10 March 2025

Quality Austria Certification GmbH,  
AT-1010 Vienna, Zelinkagasse 10/3



**qualityaustria**

MEMBER OF



Dok. Nr. FO\_24\_028

b9848bfe-d23d-4edf-  
91e0-8d0d63d0b1ae

The current validity of the certificate is documented exclusively on the Internet under  
<http://www.qualityaustria.com/en/cert>

Mag. Christoph Mondl  
CEO

Mag. Dr. Werner Paar  
CEO

Ing. Christoph Baumgartner, MSc, MBA  
Authorised representative,  
management Customer Service Center





**qualityaustria**

Succeed with Quality



# CERTIFICATE

Quality Austria Certification GmbH awards this **qualityaustria** certificate to the following organisation:

This **qualityaustria** certificate confirms the application and further development of an effective

**HIMEDIA**

**HiMedia Laboratories Pvt. Ltd.**

Plot No. C40, Road - 21Y, WAGLE Industrial Estate,  
Thane (West) - 400604 Maharashtra, India

**QUALITY MANAGEMENT SYSTEM**  
complying with the requirements of standard  
**ISO 9001:2015**

Quality Austria Certification GmbH is accredited according to the Austrian Accreditation Act by the BMWFV (Federal Ministry of Science, Research and Economy).

Quality Austria is accredited as an organisation for environmental verification by the BMLFUW (Federal Ministry of Agriculture, Forestry, Environment and Water Management).

Quality Austria is authorized by the VDA (Association of the Automotive Industry).

For accreditation registration details please refer to the applicable decisions or recognition documents.

Quality Austria is the Austrian member of IQNet (International Certification Network).

Dok. Nr. FO\_24\_028

ffc93e2-26e1-4a0d-9e33-43e35e833781

Design, Development & Manufacturing of Microbiology, Cell Biology, Plant Tissue Culture & Molecular Biology Products and Trading of Allied Plastic-ware, Lab Aid Instrument and Consumables (Sterile Disposable Petri Dishes, Sterile Swabs, Sterile Loops and Spreaders)

The validity of the **qualityaustria** certificate will be maintained by annual surveillance audits and one renewal audit after three years.

Registration No.: Q-27302/0

Date of initial issue: 28 February 2022

Valid until: 27 February 2028

Vienna, 10 March 2025

Quality Austria Certification GmbH,  
AT-1010 Vienna, Zelinkagasse 10/3



**qualityaustria**

MEMBER OF



Mag. Christoph Mondl  
CEO

Mag. Dr. Werner Paar  
CEO

Ing. Christoph Baumgartner, MSc, MBA  
Authorised representative,  
management Customer Service Center



# Technical Data

## Nutrient Broth

M002

### Intended use

Nutrient Broth is used for the general cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.

### Composition\*\*

| Ingredients               | g / L   |
|---------------------------|---------|
| Peptone                   | 5.000   |
| Sodium chloride           | 5.000   |
| HM peptone B <sup>#</sup> | 1.500   |
| Yeast extract             | 1.500   |
| Final pH ( at 25°C)       | 7.4±0.2 |

\*\*Formula adjusted, standardized to suit performance parameters

# - Equivalent to Beef extract

### Directions

Suspend 13.0 grams in 1000 ml purified / distilled water. Heat, if necessary, to dissolve the medium completely. Dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

### Principle And Interpretation

Nutrient media are basic culture media used for maintaining microorganisms, cultivating fastidious organisms by enriching with serum or blood and are also used for purity checking prior to biochemical or serological testing (1,2). Nutrient Broth has the formula originally designed for use in the Standard Method for Examination of Water and Waste water. It is one of the several non-selective media useful in routine cultivation of microorganisms (3,4). It can be used for the cultivation and enumeration of bacteria which are not particularly fastidious. Addition of different biological fluids such as horse or sheep blood, serum, egg yolk etc. makes it suitable for the cultivation of related fastidious organisms. Peptone, HM peptone B and yeast extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria. Sodium chloride maintains the osmotic equilibrium of the medium.

### Type of specimen

Clinical samples - faeces, urine etc.; Food and dairy samples; Water samples.

### Specimen Collection and Handling:

For food and dairy samples, follow appropriate techniques for sample collection and processing as per guidelines (3,4). For water samples, follow appropriate techniques for sample collection, processing as per guidelines and local standards (5). For clinical samples follow appropriate techniques for handling specimens as per established guidelines (6,7). After use, contaminated materials must be sterilized by autoclaving before discarding.

### Warning and Precautions :

In Vitro diagnostic use. For professional use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

### Limitations :

1. This medium is general purpose medium and may not support the growth of fastidious organisms.

### Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

### Quality Control

#### Appearance

Cream to yellow homogeneous free flowing powder

**Colour and Clarity of prepared medium**

Light yellow coloured clear to slightly opalescent solution

**Reaction**

Reaction of 1.3% w/v aqueous solution at 25°C. pH : 7.4±0.2

**pH**

7.20-7.60

**Cultural Response**

Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.

| Organism                                                      | Inoculum (CFU) | Growth         |
|---------------------------------------------------------------|----------------|----------------|
| <i>Escherichia coli</i> ATCC 25922 (00013*)                   | 50-100         | good-luxuriant |
| <i>Pseudomonas aeruginosa</i> ATCC 27853 (00025*)             | 50-100         | good-luxuriant |
| <i>Salmonella</i> Typhi ATCC 6539                             | 50-100         | good-luxuriant |
| <i>Staphylococcus aureus</i> aubsp.aureus ATCC 25923 (00034*) | 50-100         | good-luxuriant |
| <i>Streptococcus pyogenes</i> ATCC 19615                      | 50-100         | good-luxuriant |

Key : \*Corresponding WDCM numbers.

**Storage and Shelf Life**

Store between 10-30°C in a tightly closed container and the prepared medium at 15-30°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition Seal the container tightly after use.

Product performance is best if used within stated expiry period.

**Disposal**

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (6,7).

**Reference**

1. Lapage S., Shelton J. and Mitchell T., 1970, Methods in Microbiology', Norris J. and Ribbons D., (Eds.), Vol. 3A, Academic Press, London.
2. MacFaddin J. F., 2000, Biochemical Tests for Identification of Medical Bacteria, 3rd Ed., Lippincott, Williams and Wilkins, Baltimore.
3. American Public Health Association, Standard Methods for the Examination of Dairy Products, 1978, 14th Ed., Washington D.C.
4. Salfinger Y., and Tortorello M.L. Fifth (Ed.), 2015, Compendium of Methods for the Microbiological Examination of Foods, American Public Health Association, Washington, D.C
5. Lipps WC, Braun-Howland EB, Baxter TE, eds. Standard methods for the Examination of Water and Wastewater, 24th ed. Washington DC:APHA Press; 2023.
6. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
7. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
8. Wehr H. M. and Frank J. H., 2004, Standard Methods for the Microbiological Examination of Dairy Products, 17th Ed., APHA Inc., Washington, D.C.

Revision : 11/2024



HiMedia Laboratories Pvt. Limited,  
Plot No.C-40, Road No.21Y,  
MIDC, Wagle Industrial Area,  
Thane (W) -400604, MS, India



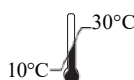
CEpartner4U, Esdoornlaan 13,  
3951DB Maarn, NL  
[www.cepartner4u.eu](http://www.cepartner4u.eu)



**In vitro diagnostic  
medical device**



**CE Marking**



**Storage temperature**



**Do not use if  
package is damaged**

**Disclaimer :**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

## Bovine serum albumin, For Molecular Biology (Nuclease and Protease free)

**MB083**

### Product Identifier

|            |   |            |
|------------|---|------------|
| CAS No.    | : | 9048-46-8  |
| EC No.     | : | 232-936-2  |
| HS Code    | : | 3502 90 00 |
| Storage    | : | 2 - 8°C    |
| Shelf life | : | 4 years    |

### Technical Specification

|                                     |   |                                         |
|-------------------------------------|---|-----------------------------------------|
| Appearance                          | : | White to light brown crystals or powder |
| Solubility                          | : | 33.3 mg soluble in 1 mL of water        |
| pH (1% in water at 25°C)            | : | 6.5 - 7.5                               |
| DNases                              | : | None detected                           |
| RNases                              | : | None detected                           |
| Alkaline phosphatase and peroxidase | : | None detected                           |
| Proteases                           | : | None detected                           |
| Loss on drying (at 105°C, 2 hr)     | : | <= 5.0%                                 |
| Total nitrogen                      | : | 14.5 - 16.5%                            |
| Assay (Protein, on dried basis)     | : | min. 98.0%                              |

### Safety Information

|               |   |                     |
|---------------|---|---------------------|
| UN No.        | : | Not dangerous goods |
| Class         | : | -                   |
| Packing Group | : | -                   |
| RTECS         | : | Not available       |
| WGK           | : | 1                   |

## MB583

## HiPurA® DNA/ RNA Purification Kit

### Kit Contents

| Product Code | Reagents provided                                                  | MB583    |          |             |
|--------------|--------------------------------------------------------------------|----------|----------|-------------|
|              |                                                                    | 20 Preps | 50 Preps | 250 Preps   |
| DS0090       | Resuspension Buffer (MS)                                           | 5.6 ml   | 14 ml    | 70 ml       |
| DS0010       | Lysis Solution (C1)                                                | 6 ml     | 15 ml    | 75 ml       |
| DS0014       | Gram- Positive Lysis Solution (GPLA)                               | 6 ml     | 15 ml    | 75 ml       |
| DS0011       | Prewash Solution Concentrate (PW)                                  | 6 ml     | 15 ml    | 75 ml       |
| DS0012       | Wash Solution Concentrate (WS)                                     | 8 ml     | 20 ml    | 100 ml      |
| DS0040       | Elution Buffer (ET) [10 mM Tris-Cl, pH 8.5]                        | 6 ml     | 15 ml    | 75 ml       |
| MB086        | Proteinase K                                                       | 10 mg    | 25 mg    | 125 mg      |
| MB098        | Lysozyme                                                           | 0.27 g   | 0.675 g  | 3.375 gm    |
| DS0003       | RNase A Solution (20 mg/ml)                                        | 0.5 ml   | 1.25 ml  | 6.25 ml     |
| DS0037       | RNA Lysis Solution (HRL)                                           | 16 ml    | 40 ml    | 200 ml      |
| DS0041       | Prewash Solution (RW1)                                             | 18 ml    | 45 ml    | 225 ml      |
| DS0042       | Elution Solution (RNase- Free Water)                               | 2.4 ml   | 6 ml     | 30 ml       |
| DBCA03       | HiElute Miniprep Spin Column (Capped) [in DBCA016 Collection Tube] | 20 nos   | 50 nos   | 250 nos     |
| DSCA02       | HiShredder [in DBCA016 Collection Tube]                            | 20 nos   | 50 nos   | 250 nos     |
| DBCA016      | Collection Tubes (Uncapped), Polypropylene(2.0 ml)                 | 20 nos   | 50 nos   | 250 nos     |
| PW1139       | Collection Tubes, Polypropylene (2.0 ml)                           | 40 nos   | 100 nos  | 2 X 250 nos |

### Intended Use

Recommended for isolation of DNA/ RNA from human/ animal blood, cells, tissue, gram positive and gram negative bacterial samples.

### Introduction

HiPurA® DNA/ RNA Purification Kit provides a fast and easy method for purification of total DNA/ RNA from a wide variety of samples for downstream applications such as PCR, Southern blotting technique etc. The DNA/ RNA purification procedure using the miniprep spin column comprises of three steps viz. adsorption of DNA/ RNA to the membrane, removal of residual contaminants and elution of pure genomic DNA/ RNA. HiMedia's HiElute Miniprep Spin Column (Capped) format allows rapid processing of multiple samples. The columns have a high binding capacity and high quality genomic DNA/ RNA is obtained from various species. The DNA/ RNA obtained is compatible with downstream applications such as restriction enzyme digestion, PCR and Southern blotting.

### **HiPurA® DNA/ RNA Purification Kit**

This kit simplifies isolation of DNA/ RNA from fresh, old (more than 24 hours) and frozen blood, bacteria (Gram-positive and Gram-negative), tissues and cells with spin-column procedure.

Genomic DNA purification from blood involves cell lysis by incubating the whole blood in a solution containing chaotropic ions in the presence of Proteinase K at 55°C. After the initial binding of DNA onto the HiElute Miniprep Spin Column (Capped), impurities like proteins, polysaccharides, low molecular weight metabolites and salts are removed by short washing steps. High quality DNA is finally eluted in the Elution Buffer provided with the kit. Typical yield is 4-12 µg of total DNA from 200 µl of whole blood.

For genomic DNA isolation from bacteria, cells are grown in a medium till they reach log phase and are harvested by centrifugation. After harvesting, the bacterial (Gram-positive) cell wall is degraded by lysozyme and Proteinase K. For Gram-negative bacteria, the lysozyme treatment is not required. Following lysis, the DNA is bound to the silica-gel membrane of the HiElute Miniprep Spin Column (Capped) to yield approximately upto 20 µg of pure DNA. Two rapid wash steps remove trace amount of salt and protein contaminants resulting in the elution of pure DNA in the Elution Buffer provided with the kit.

Genomic DNA purification from animal tissue (spliced and digested), suspended/attached animal cells, digested rodent tail tissue is done by subjecting the samples to lysis by Proteinase K in a chaotropic salt solution. Following lysis is the binding of DNA to the silica gel membrane of the HiElute Miniprep Spin Column (Capped) to yield purified DNA. Wash steps remove trace salt and protein contaminants resulting in the elution of high quality DNA in the Elution Buffer (ET) provided with the kit. Typical DNA yield from  $1 \times 10^6$  cells is 10-20 µg and 30 mg of tissue yields 30-45 µg of DNA.

This kit simplifies isolation of RNA from animal cells, animal tissues and for cleanup of RNA from crude enzymatic reactions (e.g. DNase digestion, Proteinase digestion, RNA ligation, and labeling reaction) with spin-column procedure. The lysis buffer provided in the kit helps in cell disruption and denaturation, samples are centrifuged through a HiShredder which removes insoluble material and reduces the viscosity of the lysate by disrupting viscous material. Ethanol is added to the cleared lysate, which promotes selective binding of RNA to the HiElute Miniprep Spin Column (Capped) membrane. After the initial binding of RNA, impurities like proteins, polysaccharides, low molecular weight metabolites and salts are removed by short washing steps. High quality RNA is finally eluted in the Elution Solution provided with the kit. A specialized high-salt buffer system allows upto 100 µg of total RNA longer than 200 bases to bind to the HiElute Miniprep Spin column (Capped) membrane.

### **HiElute Miniprep Spin Column (Capped) [DBCA03]**

HiElute Miniprep Spin Column (Capped) is based on the advanced silica binding principle presented in a microspin format. The system efficiently couples the reversible nucleic acid-binding properties of the advanced gel membrane and the speed plus versatility of spin column technology to yield high quantity of DNA/ RNA. The use of spin column facilitates the binding, washing and elution steps thus enabling multiple samples to be processed simultaneously. This column eliminates the need for alcohol precipitation, expensive resins and harmful organic compounds such as phenol and chloroform, otherwise employed in traditional DNA/ RNA isolation techniques. DNA/ RNA binds specifically to the advanced silica-gel membrane while contaminants pass through. PCR inhibitors such as divalent cations and proteins are completely removed in two efficient wash steps, leaving pure nucleic acid to be eluted in the buffer provided with the kit.

## Elution

The yield of genomic DNA/RNA depends on the sample type and the number of cells in the sample. Elution with 30-200 µl of Elution Buffer (ET) will provide sufficient DNA/RNA to carry out multiple amplification reactions. Elution with volume less than 200 µl will increase the final DNA/RNA concentration, but will reduce the overall DNA/RNA yield.

## Concentration, yield and purity of DNA

Spectrophotometric analysis and agarose gel electrophoresis will reveal the concentration and the purity of the genomic DNA. Use Elution Buffer (ET) to dilute samples and to calibrate the spectrophotometer, measure the absorbance at 260 nm, 280 nm, and 320 nm using a quartz microcuvette. Absorbance readings at 260 nm should fall between 0.1 and 1.0. The 320 nm absorbance is used to correct for background absorbance. An absorbance of 1.0 at 260 nm corresponds to approximately 50 µg/ml of DNA. The  $A_{260} - A_{320} / A_{280} - A_{320}$  ratio should be 1.6-1.9. Purity is determined by calculating the ratio of absorbance at 260 nm to absorbance at 280 nm. DNA purified by HiPurA® DNA/RNA Purification Kit is free of protein and other contaminants that can inhibit PCR or other enzymatic reactions.

Concentration of DNA sample (µg/ml) =  $50 \times A_{260} \times \text{dilution factor}$ .

## Concentration, yield and purity of RNA

Spectrophotometric analysis and agarose gel electrophoresis will reveal the concentration and the purity of the RNA. Use Elution Solution to dilute samples and to calibrate the spectrophotometer, measure the absorbance at 260nm, 280nm, and 320 nm using a quartz microcuvette. Absorbance readings at 260nm should fall between 0.1 and 1.0. The 320nm absorbance is used to correct background absorbance. An absorbance of 1.0 at 260nm corresponds to approximately 40 µg/ml of RNA. The  $A_{260} - A_{320} / A_{280} - A_{320}$  ratio should be 1.8-2.1. Purity is determined by calculating the ratio of absorbance at 260nm to absorbance at 280nm. RNA purified by HiPurA® DNA/ RNA Purification Kit is free of protein and other contaminants that can inhibit PCR or other enzymatic reactions.

Concentration of RNA sample (µg/ml) =  $40 \times A_{260} \times \text{dilution factor}$

## Materials needed but not provided

- 55°C water bath or heating block (For bacteria, tissues, rodent tails, blood)
- 37°C water bath or heating block (For Gram-positive bacteria only)
- 70°C water bath or shaking water bath (For cultured cells and tissues)
- Tabletop Microcentrifuge (with rotor for 2.0 ml tubes)
- Ethanol (96 - 100%)
- Molecular Biology Grade Water (Product code: ML024)
- Trypsin (Product code: TCL034)
- RNase – free pipette tips (aerosol barrier recommended)
- 2- mercaptoethanol (β -ME) (Product Code: MB041)
- Deoxyribonuclease I Solution (RNase-Free) and DNase Digest Buffer (procure from any standard company)
- TE Buffer (10 mM Tris Cl, 1mM EDTA pH 8.0) (Product Code: ML012/ML060)
- Ethanol (70%)

## Storage

Store the HiPurA® DNA/ RNA Purification Kit between 15-25°C except certain components as specified on each labels. Under recommended condition kit is stable for 1 year.



### General Preparation Instructions

1. Preheat a water bath or heating block to 55°C.  
(For Gram-positive, Gram-negative bacteria, blood, tissues and rodent tail)
2. Preheat a water bath or heating block to 37°C.  
(For Gram-positive bacteria only)
3. Preheat a water bath or heating block to 70°C.  
(For cultured cells and tissues)
4. **Thoroughly mix reagents**  
Examine the reagents for precipitation. If any kit reagent forms a precipitate (other than enzymes), warm at 55-65°C until the precipitate dissolves. The reagent should be at room temperature (15-25°C) before use.
5. Ensure that clean & dry tubes and tips are used for the procedure.
6. **Dilute Prewash Solution Concentrate (PW) (DS0011) as follows:**

| Number of Preps | Prewash Solution Concentrate (PW) | Ethanol (96-100%) |
|-----------------|-----------------------------------|-------------------|
| 20              | 6 ml                              | 9 ml              |
| 50              | 15 ml                             | 22.5 ml           |
| 250             | 75 ml                             | 112.5 ml          |

7. **Dilute Wash Solution Concentrate (WS) (DS0012) as follows:**

| Number of Preps | Wash Solution Concentrate (WS) | Ethanol (96-100%) |
|-----------------|--------------------------------|-------------------|
| 20              | 8 ml                           | 24 ml             |
| 50              | 20 ml                          | 60 ml             |
| 250             | 100 ml                         | 300 ml            |

8. **Reconstitute Proteinase K (MB086)**

The HiPurA® DNA/ RNA Purification Kit contains Proteinase K. Intensive research has shown that it is the optimal enzyme for use with the Lysis Solution provided in the kit. It is completely free of DNase and RNase activity. Proteinase K is the enzyme of choice for use with an SDS containing Lysis Solution. The specific activity of Proteinase K is 33.5 units/mg dry weights.

Resuspend the Proteinase K (MB086) powder in Molecular Biology Grade Water (ML024) to obtain a 20 mg/ml stock solution.

| Number of Preps | Proteinase K | Molecular Biology Grade Water |
|-----------------|--------------|-------------------------------|
| 20              | 10 mg        | 0.5 ml                        |
| 50              | 25 mg        | 1.25 ml                       |
| 250             | 125 mg       | 6.25 ml                       |

The product as supplied is stable at room temperature, upon reconstitution store at -20°C as mentioned in storage instructions.

**NOTE:** The Proteinase K solution must be added directly to each sample preparation every time. Do not combine the Proteinase K and Lysis solutions for storage.

9. **Prepare Lysozyme Solution (For Gram-positive bacteria only- DNA isolation)**

Prepare a 45 mg/ml solution of Lysozyme (approximately  $2.115 \times 10^6$  unit/ml) with the Gram-Positive Lysis Solution (GPLA) as the diluent, which is provided in the kit. Lysozyme solution should be freshly prepared prior to use.

Example: In order to make 1 ml of Lysozyme solution, dissolve 45 mg of lysozyme (provided) in 1 ml of Gram-Positive Lysis Solution (GPLA). Mix by pipetting or vortex to dissolve the lysozyme.

**NOTE:** Lysozyme dissolves readily by pipetting as opposed to vortexing. Excessive vortexing may cause foaming.

For each DNA preparation, 200  $\mu$ l of lysozyme solution is required. Make extra solution to account for pipetting error. The lysozyme solution should be preferably used on the day of preparation. If some Lysozyme stock solution is left, it can be stored at  $-20^{\circ}\text{C}$ .

10. **Prepare Lysozyme Solution (For Gram-negative and Gram-positive bacteria only- RNA isolation)**

Prepare a **20 mg/ml** solution of Lysozyme (approximately  $2.115 \times 10^6$  unit/ml) in TE Buffer (10mM Tris Cl, 1mM EDTA pH 8.0) (**not provided**). Lysozyme solution should be freshly prepared prior to use.

Example: In order to make 1ml of Lysozyme solution, dissolve 20mg of lysozyme (provided) in 1ml of TE Buffer (10mM Tris Cl, 1mM EDTA pH 8.0) (not provided). Pipette the mixture up and down or vortex to dissolve the lysozyme.

**NOTE:** Lysozyme dissolves readily by pipetting up and down as opposed to vortexing. Excessive vortexing may cause foaming.

For each DNA preparation, 100  $\mu$ l of lysozyme solution is required. Make extra solution to account for pipetting error. The lysozyme solution should be preferably used on the day of preparation. If some Lysozyme stock solution is left, it can be stored at  $-20^{\circ}\text{C}$ .

11.  **$\beta$ -mercaptoethanol ( $\beta$ -ME) must be added to RNA Lysis Solution (HRL) (DS0037) before use.**

$\beta$ -ME is toxic; dispense in a fume hood and wear appropriate protective clothing. Add 10 $\mu$ l  $\beta$ -ME per 1ml Lysis Solution. Lysis Solution containing  $\beta$ -ME can be stored at room temperature (15-25 $^{\circ}\text{C}$ ) for up to 1 month.

12. **Bacterial cells should be harvested in log-phase of growth.**

(Inoculate a single colony in 30-50ml broth and incubate for 3 hours at desired temperature)

**RNase A enzyme treatment**

RNase A is a type of RNase that is commonly used in research. RNase A (e.g., bovine pancreatic ribonuclease A) is one of the sturdiest enzymes in common laboratory usage. It cleaves 3' end of unpaired C and U residues.

**Unit Definition for RNase A**

One unit of the enzyme causes an increase in absorbance of 1.0 at 260 nm when yeast RNA is hydrolyzed at 37 $^{\circ}\text{C}$  and pH 5.0. Fifty units are approximately equivalent to 1 Kunitz unit. It is completely free of DNases and proteases. The specific activity is 90 U/mg.

The product as supplied is stable at room temperature (15-25 $^{\circ}\text{C}$ ).

## Centrifugation

All centrifugation steps are carried out in conventional laboratory centrifuge e.g. Beckman CS-6KR, Heraeus Varifuge 3.0R, or Sigma 6k10 with fixed angle rotor. The tubes provided with the kit are compatible with almost all laboratory centrifuges and rotors. All centrifugation steps are performed at room temperature and are given in g, the correct rpm can be calculated using the formula:

$$RPM = \sqrt{RCF/1.118 \times 10^{-5}} r$$

where *RCF* = required gravitational acceleration (relative centrifugal force in units of g); *r* = radius of the rotor in cm; and *RPM* = the number of revolutions per minute required to achieve the necessary *g*-force.

## Specimen Handling and Collection

Collect human/animal cells, tissues, blood sample in a sterile container and freeze the sample at -20°C for short term storage or -80°C for long term storage. Collect whole blood in an anticoagulant tube (an EDTA tube is preferred) under sterile conditions (if to be used for future) and store the samples at 2-8°C for short term storage or -20°C for long term storage. Ensure that the tissue is at room temperature before beginning the protocol. After use, contaminated material must be sterilized by autoclaving before discarding.

## Types of Specimen

Clinical samples: human/ animal tissue, blood, cells

Animal samples: blood, cells

Bacterial cells (gram positive and gram negative)

## DNA ISOLATION FROM BLOOD

### Procedure

#### 1. Lysis

**NOTE: For Frozen blood:** To 200 µl of frozen blood pellet (kept on ice), add 200 µl of Lysis Solution (C1) (DS0010) and thaw the pellet with continuous pipetting. Proceed with step 2 for Proteinase K and RNase A treatment (optional). Incubate for 55°C for 10 minutes and then proceed to step 4 (Binding) of the protocol.

**NOTE:** We recommend freezing blood in 200 µl aliquots. When extracting DNA from frozen blood, it is very important that the blood should be kept on ice and directly mixed with Lysis Solution (C1). Do not allow the frozen blood pellet to thaw except when it is directly mixed with Lysis Solution (C1). This prevents release of apoptotic enzymes that can decrease the DNA yield drastically.

**NOTE:** If the sample is less than 200 µl, add the Resuspension Buffer (MS) to bring the volume upto 200 µl.

**NOTE: For blood sample stored at 2-8° or Room temperature (15-25°C) :**

2. Add 20 µl of the reconstituted Proteinase K solution (20 mg/ml) (**Refer to General Instructions Preparation**) into 2.0 ml capped collection tube containing 200 µl of the whole blood. Vortex for 10-15 seconds to ensure thorough mixing.

#### Optional RNase A treatment

If RNA-free genomic DNA is required, add 20 µl of RNase A Solution (20 mg/ml) (DS0003). Vortex for 10-15 seconds and incubate for 2 minutes at room temperature (15-25°C).

3. **Lysis reaction**

Add 200 µl of the Lysis Solution (C1) (DS0010) to the sample, vortex thoroughly for a few seconds to obtain a homogenous mixture. Incubate at 55°C for 10 minutes and continue with step 4 (Binding).

**NOTE:** If cell clumps are visible, the sample can be mixed gently by pipetting to obtain a homogenous mixture.

4. **Prepare for Binding**

Add 200 µl of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.

**NOTE:** A homogenous solution is essential.

5. **Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Transfer the lysate obtained from step 4 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.

**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents into the column.

6. **Prewash**

**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.

7. **Wash**

**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at  $12,000 - 16,000 \times g$  ( $\approx 13,000-16,000$  rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.

**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.

8. **DNA Elution**

Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute to elute the DNA. Repeat the step again with another 100 µl of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200 µl of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200µl increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

9. Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

## **DNA ISOLATION FROM CULTURED CELLS**

### **Procedure**

#### **1. Harvest cells**

- **Attached cell cultures:** The cells can be detached using trypsin. Centrifuge upto  $5 \times 10^6$  cells for 5 minutes at  $300 \times g$  ( $\approx 1500$  rpm). Discard the culture medium and continue with step 2 of cultured cell.
- **Suspension cell cultures:** Centrifuge upto  $5 \times 10^6$  cells for 5 minutes at  $300 \times g$  [ $\approx 1500$  rpm]. Discard the culture medium completely and continue with step 2 of cultured cell.

**NOTE:** Cells can be harvested, by aliquoting in 2.0 ml microcentrifuge tubes and flash-freezing in liquid nitrogen, these can be stored at -70°C for several months before preparing DNA.

#### **2. Resuspend cells**

Resuspend the pellet obtained from step 1 of cultured cell, in 2ml capped collection tube 200  $\mu$ l of Resuspension Buffer (MS) (DS0090) and mix thoroughly. If previously frozen, allow the cell pellet to thaw slightly before resuspending. If residual RNA is not a concern, continue with step 3 of cultured cell.

#### **Optional RNase A treatment**

If RNA-free genomic DNA is required, add 20  $\mu$ l of RNase A Solution (DS0003), mix and incubate for 2 minutes at room temperature (15-25°C), then continue with step 3 of cultured cell.

#### **3. Lyse cells**

Add 20  $\mu$ l of the Proteinase K solution (20 mg/ml) (**Refer to General Instruction Preparation**) to the sample from step 1 of cultured cell, followed by 200  $\mu$ l of Lysis Solution (C1) (DS0010). Mix thoroughly by vortexing for about 15 seconds and incubate at 70°C for 10 minutes.

**NOTE:** A homogeneous mixture is essential for efficient lysis. Continue with step 4 (Binding).

#### **4. Prepare for Binding**

Add 200  $\mu$ l of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.

**NOTE:** A homogenous solution is essential.

#### **5. Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Transfer the lysate obtained from step 4 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.

**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents onto the column.

6. **Prewash**

**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.

7. **Wash**

**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at  $12,000 - 16,000 \times g$  ( $\approx 13,000-16,000$  rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.

**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.

8. **DNA Elution**

Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute to elute the DNA. Repeat the step again with another 100 µl of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200 µl of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200µl increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

9. Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

## **DNA ISOLATION FROM MAMMALIAN TISSUE**

### **Procedure**

1. **Prepare tissue**

Weigh up to 25 mg of tissue (or 10 mg of spleen, due to the high number of cells per given mass). To the weighed tissue, add approximately 5 ml of 0.8% saline. Homogenize the same with tissue lyser or homogenizer. Pellet down and discard the supernatant. Use the pelleted tissue for further lysis.

**NOTE:** If frozen tissue is used, allow it to thaw slightly before slicing but keep on ice in order to protect degradation.

**NOTE:** Tissue can be harvested, by aliquoting in capped 2.0 ml collection tubes and flash freezing in liquid nitrogen; these can be stored at -70°C for several months before preparing DNA.

2. **Digest tissue**

Add 180 µl of Resuspension Buffer (MS) (DS0090) and 20 µl of the Proteinase K solution (20 mg/ml) (**Refer to General Instruction Preparation**) to the tissue. Mix by vortexing. Incubate the sample at 55°C until the tissue is completely digested with no particles remaining. Mix by vortexing occasionally or use a shaking water bath. Digestion is usually complete in 2 to 4 hours. Vortex briefly after digestion is completed.

**Optional RNase A treatment**

If RNA-free genomic DNA is required, add 20 µl of RNase A Solution (DS0003), mix and incubate for 2 minutes at room temperature (15-25°C), then continue with step 3 of Mammalian tissue.

3. **Lyse cells**

Add 200µl of Lysis Solution (C1) (DS0010) to the sample. Mix by vortexing thoroughly for 15 seconds. A homogeneous mixture is essential for efficient cell lysis. Incubate at 70°C for 10 minutes. Continue with step 4 (Binding).

4. **Prepare for Binding**

Add 200 µl of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.

**NOTE:** A homogenous solution is essential.

5. **Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Transfer the lysate obtained from step 4 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.

**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents into the column.

6. **Prewash**

**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.

7. **Wash**

**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at  $12,000 - 16,000 \times g$  ( $\approx 13,000-16,000$  rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.

**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.

## 8. DNA Elution

Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute to elute the DNA. Repeat the step again with another 100 µl of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200 µl of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200µl increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

9. Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

## **DNA ISOLATION FROM RODENT TAIL**

### **Procedure**

#### 1. Prepare rodent tails

Measure and cut a piece of fresh or frozen rodent tail. Before cutting, allow the frozen rodent tail to thaw slightly keep on ice in order to protect degradation. Do not use more than 0.6 cm (rat) or 1.2 cm (mouse) tail per preparation. Cut two (mouse) or one (rat) 0.5-0.6 cm lengths of tail and place them in a capped 2.0 ml collection tube. Continue with step 2.

**NOTE:** Rodent tails can be stored at -20°C for several months before preparing DNA.

#### 2. Digest tissue

Add 180 µl of Resuspension Buffer (MS) (DS0090) and 20 µl of the Proteinase K solution (20 mg/ml) (**Refer to General Instruction Preparation**) to the rodent tail. Mix by vortexing. Ensure that the tail is fully submerged. Incubate the sample at 55°C until the tail tissue is completely digested. Some particles (bone and hair) may remain. Mix by vortexing occasionally or use a shaking water bath, during incubation for more rapid digestion. Digestion is usually complete in 3 to 6 hours. Vortex briefly after digestion is complete. If residual RNA is not a concern, continue with step 3 Rodent tail.

#### **Optional RNase A treatment**

If RNA-free genomic DNA is required, add 20 µl of RNase A Solution (DS0003), mix and incubate for 2 minutes at room temperature (15-25°C), then continue with step 3 of Rodent tail.

#### 3. Lysis reaction

Add 200 µl of Lysis Solution (C1) (DS0010) to the sample. Vortex thoroughly for 15 seconds. A homogeneous mixture is essential for efficient cell lysis. Incubate at 70°C for 10 minutes. Continue with step 4 (Binding).

#### 4. Prepare for Binding



Add 200 µl of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.

**NOTE:** A homogenous solution is essential.

5. **Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Transfer the lysate obtained from step 4 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.

**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents into the column.

6. **Prewash**

**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.

7. **Wash**

**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at  $12,000 - 16,000 \times g$  ( $\approx 13,000-16,000$  rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.

**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.

8. **DNA Elution**

Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute to elute the DNA. Repeat the step again with another 100 µl of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200 µl of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200µl increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

9. **Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.**

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

## **DNA ISOLATION FROM GRAM- NEGATIVE BACTERIA**

### **Procedure**

#### **1. Harvesting of cells**

Pellet 1.5 ml of bacterial broth culture in 2.0ml capped collection tube by centrifuging for 2 minutes at 12,000-16,000 x g ( $\approx$ 13,000-16,000 rpm). Remove the culture medium completely and discard.

**NOTE:** If bacteria are grown in rich media such as Terrific broth, it is necessary to reduce the volume of the starting material of the overnight broth culture to 0.5 ml in order to avoid overloading of the HiElute Miniprep Spin Column (Capped).

#### **2. Resuspend cells**

Resuspend the pellet thoroughly in 180 $\mu$ l Resuspension Buffer (MS) (DS0090).

#### **3. Prepare for cell lysis**

Add 20  $\mu$ l of the Proteinase K solution (20mg/ml) (**Refer to General Instruction Preparation**) to the sample. Mix and incubate for 30 minutes at 55°C. If residual RNA is not a concern, continue with step 4 of gram negative bacteria.

##### **Optional RNase A treatment**

If RNA-free genomic DNA is required, add 20  $\mu$ l of RNase A Solution (DS0003), mix and incubate for 5 minutes at room temperature (15-25°C), then continue with step 4 of gram negative bacteria.

#### **4. Lyse cells**

Add 200  $\mu$ l of Lysis Solution (C1) (DS0010), vortex thoroughly (about 15 seconds) and incubate at 55°C for 10 minutes. Continue with step 5 (Binding).

**NOTE:** A homogeneous mixture is essential for efficient lysis.

#### **5. Prepare for Binding**

Add 200  $\mu$ l of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.

**NOTE:** A homogenous solution is essential.

#### **6. Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Transfer the lysate obtained from step 5 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq$ 6,500 x g ( $\approx$ 10,000 rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.

**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents into the column.

#### **7. Prewash**

**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**

Add 500  $\mu$ l of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq$ 6,500 x g ( $\approx$ 10,000 rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.

#### **8. Wash**

**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**

Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at 12,000 – 16,000 x g (≈13,000-16,000 rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.

**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.

**9. DNA Elution**

Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at ≥6,500 x g (≈10,000 rpm) for 1 minute to elute the DNA. Repeat the step again with another 100 µl of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200 µl of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200µl increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

10. Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

## **DNA ISOLATION FROM GRAM- POSITIVE BACTERIA**

**Procedure**

1. Prepare Lysozyme Solution using Lysozyme from chicken egg white, which is provided in the kit.

Prepare a 45 mg/ml stock solution of lysozyme as described under General Preparation Instructions. 200 µl of Lysozyme Solution is required per isolation procedure. Prepare extra solution to account for pipetting error.

**NOTE:** (Optional) For higher yields - If working with *Staphylococcus* species, supplement the Lysozyme Solution with 200 units/ml of lysostaphin (not provided). For *Streptococcus* species, supplement the Lysozyme Solution with 250 units/ml of mutanolysin (not provided).

2. **Harvest Cells**

Pellet 1.5 ml of bacterial broth culture in 2.0ml capped collection tube by centrifuging for 2 minutes at 12,000-16,000 x g (≈13,000-16,000rpm). Remove the culture medium completely and discard.

**NOTE:** If bacteria are grown in rich media such as Terrific broth, it is necessary to reduce the volume of the starting material of the overnight broth culture to 0.5 ml in order to avoid overloading of the HiElute Miniprep Spin Column (Capped).

3. **Resuspend cells**  
Resuspend the pellet thoroughly in 200 µl of lysozyme solution (prepared in step 1 of gram positive bacteria) and incubate for 30 minutes at 37°C.
4. **Lyse cells**  
Add 20µl of the Proteinase K solution (20 mg/ml) (**Refer to General Instruction Preparation**) to the sample. If residual RNA is not a concern continue with step 5 of gram positive bacteria.  
  
**Optional RNase A treatment**  
If RNA- free genomic DNA is required, add 20 µl of RNase A Solution (DS0003), mix and incubate for 5 minutes at room temperature (15-25°C), then continue with step 5 of gram positive bacteria.
5. Add 200 µl of Lysis Solution (C1) (DS0010). Vortex thoroughly for few seconds and incubate at 55°C for 10 minutes, then continue with step 6 (Prepare for binding).  
  
**NOTE:** A homogeneous mixture is essential for efficient lysis.
6. **Prepare for Binding**  
Add 200 µl of ethanol (96-100%) to the lysate obtained from the above steps for preparation of lysate for binding to the spin column. Mix thoroughly by gentle pipetting.  
  
**NOTE:** A homogenous solution is essential.
7. **Load lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**  
Transfer the lysate obtained from step 6 onto the HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) provided. Centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and place the column in a same 2.0 ml collection tube.  
  
**NOTE:** Use a wide bore pipette tip to reduce shearing of the DNA when transferring contents into the column.
8. **Prewash**  
**(Prepare Prewash Solution Concentrate (PW) as indicated in General Preparation Instructions)**  
Add 500 µl of diluted Prewash Solution (PW) (DS0011) to the column and centrifuge at  $\geq 6,500 \times g$  ( $\approx 10,000$  rpm) for 1 minute. Discard the flow-through liquid and re-use the same collection tube with the column.
9. **Wash**  
**(Prepare Wash Solution Concentrate (WS) as indicated in General Preparation Instructions)**  
Add 500 µl of diluted Wash Solution (WS) (DS0012) to the column and centrifuge at  $12,000 - 16,000 \times g$  ( $\approx 13,000-16,000$  rpm) for 3 minutes to dry the column. Discard the flow-through liquid and spin the empty column for another minute at the same speed. Discard the collection tube containing the flow-through liquid and place the column in a new 2.0 ml uncapped collection tube.  
  
**NOTE:** The column must be free of ethanol before eluting the DNA. The tube can be emptied and re-used for this additional centrifugation step.
10. **DNA Elution**  
Pipette 100 µl of the Elution Buffer (ET) (DS0040) directly onto the column without spilling to the sides. Incubate for 1 minute at room temperature (15-25°C). Centrifuge at  $\geq 6,500 \times g$ .

g ( $\approx 10,000$  rpm) for 1 minute to elute the DNA. Repeat the step again with another 100  $\mu$ l of Elution Buffer (ET) for high yield of DNA.

**NOTE:** DNA elution can also be performed in single step by the addition of 200  $\mu$ l of Elution Buffer (ET) at a time; however, the overall DNA yield would be low. Storing DNA in water may cause acid hydrolysis. To increase the elution efficiency, incubate for 5 minutes at room temperature (15-25°C) after adding the Elution Buffer (ET), then centrifuge. Elution with volume less than 200  $\mu$ l increases the final DNA concentration in the eluate significantly, but slightly reduces the overall DNA yield.

11. Transfer the eluate to a fresh capped 2ml collection tube for longer DNA storage.

**Storage of the eluate with purified DNA:** The eluate contains pure genomic DNA. For short-term storage (24-48 hrs) of the DNA, 2-8°C is recommended. For long-term storage, -20°C or lower temperature (-80°C) is recommended. Avoid repeated freezing and thawing of the sample which may cause denaturing of DNA. The Elution Buffer will help to stabilize the DNA at these temperatures.

### **Precautions to be taken while handling RNA**

Ribonucleases (RNases) are very stable and active enzymes that generally do not require cofactors to function. Since RNases are difficult to inactivate and even minute amounts are sufficient to destroy RNA, do not use any plasticware or glassware without first eliminating possible RNase contamination. Great care should be taken to avoid inadvertently introducing RNases into the RNA sample during or after the isolation procedure. In order to create and maintain an RNase-free environment, the following precautions must be taken during pretreatment and use of disposable and non-disposable vessels and solutions while working with RNA.

1. Always wear latex or vinyl gloves while handling reagents and RNA samples to prevent RNase contamination from surface of the skin or from dusty laboratory equipment. Change gloves frequently and keep tubes closed whenever possible.
2. Use sterile, disposable plasticware and autoclavable pipettes reserved for RNA work to prevent cross-contamination with RNases from shared equipments.
3. Non-disposable plasticware should be treated before use to ensure that it is RNase-free. Plasticware should be thoroughly rinsed with 0.1M NaOH, 1mM EDTA followed by RNase-free water. Alternatively, chloroform-resistant plasticware can be rinsed with chloroform to inactivate RNases.
4. Glassware used for RNA work should be cleaned with a detergent, thoroughly rinsed, and oven baked at 240°C for four or more hours before use. Alternatively glassware can be treated with DEPC (Diethyl pyrocarbonate). Fill glassware with 0.1% DEPC (0.1% in water), allow to stand overnight at 37°C, and then autoclave or heat to 100°C for 15 min to eliminate residual DEPC.
5. Electrophoresis tanks should be cleaned with detergent solution (e.g., 0.5% SDS), thoroughly rinsed with RNase-free water, and then rinsed with ethanol and allowed to dry.
6. Solutions (water and other solutions) should be treated with 0.1% DEPC.

## **RNA ISOLATION FROM ANIMAL CELLS**

### **Procedure**

1. **Harvest the cells according to step a, b, or c**

a. **Cells grown in suspension (do not use more than  $1 \times 10^7$  cells):**

Pellet up to  $1 \times 10^7$  cells by centrifuging for 5 minutes at  $300 \times g$  ( $\approx 1500$  rpm) in a Collection tube (not supplied). Discard the culture medium completely and continue with step 2 of Lysis reaction.

**NOTE:** Incomplete removal of cell-culture medium will inhibit lysis and dilute the lysate, affecting the binding of RNA to the HiElute Miniprep Spin Column (Capped) membrane resulting in lower RNA yield.

b. **Cells grown in a monolayer (do not use more than  $1 \times 10^7$  cells):**

Direct lysis of the cells can be done in the cell-culture vessel (up to 10 cm diameter) or trypsinized and collected as a cell pellet prior to lysis. Cells grown in cell-culture flasks should always be trypsinized.

**To trypsinize and collect cells:**

Determine the number of cells. Aspirate the medium, and wash the cells with PBS. Aspirate the PBS, and add 0.1–0.25% trypsin in PBS. After the cells detach from the dish or flask, add medium (containing serum to inactivate the trypsin), transfer the cells to an RNase-free glass or polypropylene centrifuge tube (not supplied), and centrifuge at  $300 \times g$  for 5 minutes. Completely aspirate the supernatant, and proceed to step 2 of Lysis reaction.

**NOTE:** Incomplete removal of cell-culture medium will inhibit lysis and dilute the lysate, affecting the binding of RNA to the HiElute Miniprep Spin Column (Capped) membrane resulting in lower RNA yield.

c. **To lyse cells directly in culture dish:**

Determine the number of cells. Completely aspirate the cell-culture medium, and proceed immediately to step 2 of Lysis reaction.

**NOTE:** Incomplete removal of cell-culture medium will inhibit lysis and dilute the lysate, affecting the binding of RNA to the HiElute Miniprep Spin Column (Capped) membrane resulting in lower RNA yield.

2. **Lysis reaction**

a. For pelleted cells, loosen the cell pellet thoroughly by flicking the tube. Add the appropriate volume of RNA Lysis Solution (HRL) (DS0037) (see the table below). Vortex or pipet to mix, and continue with step 3.

**NOTE:** Incomplete loosening of the cell pellet may lead to inefficient lysis and reduced RNA yields. Ensure that  $\beta$ -ME is added to RNA Lysis Solution (HRL) before use.

| Number of pelleted cells        | RNA Lysis Solution (HRL) |
|---------------------------------|--------------------------|
| $<5 \times 10^6$                | 350 $\mu$ l              |
| $5 \times 10^6 - 1 \times 10^7$ | 600 $\mu$ l              |

b. For Cells grown in a monolayer, add appropriate volume of RNA Lysis Solution (HRL) (see the table below) to the cell culture dish. Collect cell lysate into a collection tube (not supplied). Vortex or pipet to mix and ensure that no cell clumps are visible before proceeding to step 3.

**NOTE:** Regardless of the cell number, use the Lysis Solution volumes indicated to completely cover the surface of the dish. Ensure that  $\beta$ -ME is added to RNA Lysis Solution (HRL) before use.

| Dish diameter | RNA Lysis Solution (HRL) |
|---------------|--------------------------|
| < 6 cm        | 350 $\mu$ l              |
| 6-10 cm       | 600 $\mu$ l              |

3. **Homogenize the lysate**

If processing  $\leq 1 \times 10^5$  cells, homogenize by vortexing for 1 minute. After homogenization, proceed to step 4.

**NOTE:** Incomplete homogenization leads to significantly reduced RNA yields and can cause clogging of the HiElute Miniprep Spin Column (Capped). Homogenization with a HiShredder generally results in higher RNA yields.

4. Pipet the lysate directly into a HiShredder (DSCA02) placed in a 2 ml uncapped collection tube, and centrifuge for 2 minutes at 13,000 X g (14,000 rpm). Prepare for binding step.

5. **Prepare for binding:**

Add 1 volume of 70% ethanol to the homogenized lysate, and mix well by pipetting. Do not centrifuge.

**NOTE:** A precipitate may be visible after addition of ethanol. This does not affect the procedure.

6. **Load Lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Apply sample including any precipitate that may have formed, on the HiElute Miniprep Spin Column (Capped). Close the tube gently, and centrifuge for 15 seconds at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow-through.

**NOTE:** If the volume exceeds 700  $\mu$ l, load aliquots successively onto the HiElute Miniprep Spin column and centrifuge as above. Discard the flow-through after each centrifugation step.

**Optional: On Column DNase digestion**

**Generally, DNase I digestion is not required since the solutions of this kit efficiently removes almost all the DNA without DNase treatment.** However, further DNase treatment may be necessary for certain RNA applications that are sensitive to small amounts of DNA (e.g. TaqMan RT-PCR analysis with a low abundant target). DNA can also be removed by DNase digestion.

Carryout lysis, homogenization, and loading onto the HiElute Miniprep Spin Column as indicated above. Instead of continuing with the Prewash Solution (RW1) in step 7, follow steps a–d below.

- Pipet 350  $\mu$ l of Prewash Solution (RW1) (DS0041) into the HiElute Miniprep Spin column (Capped), and centrifuge for 15 sec at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow through and reuse the collection tube in step 6c.
- Add 10  $\mu$ l of DNase I Solution to 70  $\mu$ l of DNase Digest Buffer. Mix by inversion. Do not vortex.
- Add 80  $\mu$ l of DNase I/Digest Buffer mixture directly onto the HiElute Miniprep Spin Column (Capped). Incubate at room temperature for 15 minutes.

- d. Pipet 350 µl of Prewash Solution (RW1) into the HiElute Miniprep Spin column , and centrifuge for 15 seconds at centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow-through and continue with the step 8.

**Or**

**Alternatively, proceed with RNA isolation protocol without DNase I treatment (continue with step 7).**

**7. Prewash Solution (RW1)**

Add 700 µl of Prewash Solution (RW1) to the HiElute Miniprep Spin Column (Capped) centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) for 1 minute. Discard the flow-through. Reuse the collection tube.

8. Pipet 500 µl of Wash Solution (WS) (DS0012). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to wash the column. Discard the flow-through.

**NOTE:** Wash Solution (WS) is supplied as a concentrate. Ensure that ethanol is added to Wash Solution Concentrate (WS).

9. Add another 500 µl of Wash Solution (WS) to the HiElute Miniprep Spin column (Capped). Close the tube gently, and centrifuge for 2 minutes at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to dry the membrane. Continue directly with elution step or to eliminate any chance of possible Wash Solution carryover, perform the next step.

**Optional:** Place the column in a new 2 ml collection tube (not supplied), and discard the old collection tube with the flow-through. Centrifuge at  $13,000 \times g$  (14,000 rpm) for 1 minute.

**10. RNA Elution**

Transfer the HiElute Miniprep Spin column (Capped) to a new 2 ml capped collection tube. Pipet 30-50 µl Elution Solution (RNase-Free Water) directly onto the HiElute Miniprep Spin column (Capped). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to elute.

- If the expected RNA yield is  $> 30 \mu\text{g}$ , repeat the elution step as described with a second volume of RNase-Free Water. Elute into the same collection tube.
11. Transfer the eluate to a fresh capped 2ml collection tube for longer RNA storage.

**NOTE:** To obtain a higher total RNA concentration, this second elution step may be performed by using the first eluate. The yield will be 15-30% less than the yield obtained using a second volume of RNase-free water, but the final concentration will be higher.

**Storage of the eluate with purified RNA:** The eluate contains pure RNA, recommended to be stored at lower temperature ( $-80^{\circ}\text{C}$ ). Avoid repeated freezing and thawing of the sample which may cause denaturing of RNA.



## **RNA ISOLATION FROM ANIMAL TISSUES**

### **Procedure**

1. **Fresh or frozen (up to 30 mg) tissue.**

Immediately place the weighed (fresh or frozen) tissue in liquid nitrogen, and grind thoroughly with a mortar and pestle. Allow the liquid nitrogen to evaporate. Do not allow the samples to thaw. Proceed with the lysis.

2. **Lysis reaction**

Add appropriate volume of RNA Lysis Solution (HRL) (DS0037) (see the table below). Mix properly and transfer it to an RNase free 2.0 ml capped collection tube. Vortex or pipet to mix.

| <b>Amount of starting material</b> | <b>RNA Lysis Solution (HRL)</b> |
|------------------------------------|---------------------------------|
| <20 mg                             | 350 µl                          |
| 20 mg to 30 mg                     | 600 µl                          |

**NOTE:** Incomplete loosening of the cell pellet may lead to inefficient lysis and reduced RNA yields. Ensure that  $\beta$ -ME is added to RNA Lysis Solution (HRL) before use.

3. Pipet the lysate directly into a HiShredder (DSCA02) placed in a 2 ml uncapped collection tube, and centrifuge for 2 min at full speed. Continue with binding.

4. **Prepare for binding:**

Add 1 volume of 70% ethanol to the homogenized lysate, and mix well by pipetting. Do not centrifuge.

**NOTE:** A precipitate may be visible after addition of ethanol. This does not affect the procedure.

5. **Load Lysate in HiElute Miniprep Spin Column (Capped) [DBCA03]**

Apply sample including any precipitate that may have formed, on the HiElute Miniprep Spin Column (Capped). Close the tube gently, and centrifuge for 15 seconds at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow-through.

**NOTE:** If the volume exceeds 700 µl, load aliquots successively onto the HiElute Miniprep Spin column and centrifuge as above. Discard the flow-through after each centrifugation step.

**Optional: On Column DNase digestion**

**Generally, DNase I digestion is not required since the solutions of this kit efficiently removes almost all the DNA without DNase treatment.** However, further DNase treatment may be necessary for certain RNA applications that are sensitive to small amounts of DNA (e.g. TaqMan RT-PCR analysis with a low abundant target). DNA can also be removed by DNase digestion.

Carryout lysis, homogenization, and loading onto the HiElute Miniprep Spin Column as indicated above. Instead of continuing with the Prewash Solution (RW1) in step 6, follow steps a –d below.

a. Pipet 350 µl of Prewash Solution (RW1) (DS0041) into the HiElute Miniprep Spin column (Capped), and centrifuge for 15 sec at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow through and reuse the collection tube in step 6c.

- b. Add 10 µl of DNase I Solution to 70 µl of DNase Digest Buffer. Mix by inversion. Do not vortex.
- c. Add 80 µl of DNase I/Digest Buffer mixture directly onto the HiElute Miniprep Spin Column (Capped). Incubate at room temperature for 15 minutes.
- d. Pipet 350 µl of Prewash Solution (RW1) into the HiElute Miniprep Spin column , and centrifuge for 15 seconds at centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm). Discard the flow-through and continue with the step 7.

**Or**

**Alternatively, proceed with RNA isolation protocol without DNase I treatment (continue with step 6).**

**6. Prewash Solution (RW1)**

Add 700 µl of Prewash Solution (RW1) to the HiElute Miniprep Spin Column (Capped) centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) for 1 minute. Discard the flow-through. Reuse the collection tube.

7. Pipet 500 µl of Wash Solution (WS) (DS0012). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to wash the column. Discard the flow-through.

**NOTE:** Wash Solution (WS) is supplied as a concentrate. Ensure that ethanol is added to Wash Solution Concentrate (WS).

8. Add another 500 µl of Wash Solution (WS) to the HiElute Miniprep Spin column (Capped). Close the tube gently, and centrifuge for 2 minutes at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to dry the membrane. Continue directly with elution step or to eliminate any chance of possible Wash Solution carryover, perform the next step.

**Optional:** Place the column in a new 2 ml collection tube (not supplied), and discard the old collection tube with the flow-through. Centrifuge at  $13,000 \times g$  (14,000 rpm) for 1 minute.

**9. RNA Elution**

Transfer the HiElute Miniprep Spin column (Capped) to a new 2 ml capped collection tube. Pipet 30-50 µl Elution Solution (RNase-Free Water) directly onto the HiElute Miniprep Spin column (Capped). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) to elute.

- If the expected RNA yield is  $> 30 \mu\text{g}$ , repeat the elution step as described with a second volume of RNase-Free Water. Elute into the same collection tube.
10. Transfer the eluate to a fresh capped 2ml collection tube for longer RNA storage.

**NOTE:** To obtain a higher total RNA concentration, this second elution step may be performed by using the first eluate. The yield will be 15-30% less than the yield obtained using a second volume of RNase-free water, but the final concentration will be higher.

**Storage of the eluate with purified RNA:** The eluate contains pure RNA, recommended to be stored at lower temperature ( $-80^{\circ}\text{C}$ ). Avoid repeated freezing and thawing of the sample which may cause denaturing of RNA.

## **RNA ISOLATION FROM BACTERIA (GRAM- NEGATIVE AND GRAM- POSITIVE)**

### **Procedure**

#### **1. Harvest and Resuspend the cells**

Harvest bacteria in capped 2.0ml collection tube by centrifugation at 10,000 X g ( $\geq 13,000$  rpm) for 5 min at 4°C. (Do not use more than  $1 \times 10^7$  bacteria). Remove the culture medium and discard.

Resuspend the bacterial pellet in 100µl of lysozyme containing TE Buffer and mix well by gentle vortexing till no cell clumps are visible.

(Prepare lysozyme containing TE Buffer as indicated in General Preparation Instructions)

Incubate the resuspended cells at 37°C for 30 minutes. Incubate on shaker or vortex 20 seconds for every 2 minutes during incubation

#### **2. Lysis**

Add 350µl or 600µl of RNA Lysis Solution (HRL) (DS0037) to the sample. Vortex or pipet to mix.

**NOTE:** If insoluble material is visible, centrifuge for 2 minutes at 13,000rpm at room temperature (15-25°C), and use only the supernatant in the subsequent steps.

**NOTE:** Ensure that  $\beta$ -ME is added to RNA Lysis Solution (HRL) before use.

| <b>Number of pelleted cells</b> | <b>RNA Lysis Solution (HRL)</b> |
|---------------------------------|---------------------------------|
| $< 5 \times 10^6$               | 350µl                           |
| $5 \times 10^6 - 1 \times 10^7$ | 600µl                           |

3. Pipet the lysate directly into a HiShredder (DSCA02) placed in a 2ml collection tube, and centrifuge at ( $\geq 13,000$  rpm) for 2 minutes at room temperature (15-25°C). Collect the flow-through in the fresh collection tube (not provided) and proceed for binding step.

#### **4. Prepare for binding:**

Add 280µl of ethanol (96-100%) to the cleared lysate, and mix immediately by pipetting. Do not centrifuge.

**NOTE:** A precipitate may form after the addition of ethanol, but this will not affect the procedure.

#### **5. Load Lysate in HiElute Miniprep Spin Column (DBCA02)**

Apply sample including any precipitate that may have formed, on the HiElute Miniprep Spin Column (Capped). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C). Discard the flow-through.

**NOTE:** If the volume exceeds 700µl, load aliquots successively onto the HiElute Miniprep Spin column and centrifuge as above. Discard the flow-through after each centrifugation step.

#### **6. Optional: On Column DNase digestion**

**Generally, DNase I digestion is not required since the solutions of this kit efficiently removes almost all the DNA without DNase treatment.** However, further DNase treatment may be necessary for certain RNA applications that are sensitive to small amounts of DNA (e.g. TaqMan RT-PCR analysis with a low abundant target). DNA can also be removed by DNase digestion.

Carryout lysis, homogenization, and loading onto the HiElute Miniprep Spin Column as indicated above. Instead of continuing with the Prewash Solution (RW1) in step 7, follow steps a –d below.

- a. Pipet 350µl of Pre Wash Solution (RW1) (DS0041) into the HiElute Miniprep Spin column, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C). Discard the flow through and reuse the collection tube in step 6c.
- b. Add 10µl of DNase I Solution to 70µl of DNase Digest Buffer. Mix by inversion. Do not vortex.
- c. Add 80µl of DNase I/ Digest Buffer mixture directly onto the HiElute Miniprep Spin Column. Incubate at room temperature (15-25°C) for 15 minutes.
- d. Pipet 350µl of Pre Wash Solution (RW1) into the HiElute Miniprep Spin column, and centrifuge for 1 minute at centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C). Discard the flow through and continue with the step 8.

**Or**

**Alternatively, proceed with RNA isolation protocol without DNase I treatment (continue with step 7).**

**7. Pre Wash**

Add 700µl of Prewash Solution (RW1) to the HiElute Miniprep Spin Column centrifuge at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) for 1 minute at room temperature (15-25°C). Discard the flow-through. Reuse the collection tube in step 8.

8. Transfer the HiElute Miniprep Spin column into a 2ml collection tube. Pipet 500µl of diluted Wash Solution (WS) (DS0012) (**Refer General Preparation Instructions**). Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C) to wash the column. Discard the flow-through.
9. Add another 500µl of diluted Wash Solution (WS) to the HiElute Miniprep Spin column. Close the tube gently, and centrifuge for 2 minutes at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C) to dry the membrane.
10. Place the column in a new 2ml collection tube (not supplied), and discard the old collection tube with the flow-through. Centrifuge in a microcentrifuge at  $\geq 10000 \times g$  ( $\geq 13,000$  rpm) at room temperature (15-25°C) for 1 minute.

**11. RNA Elution**

Transfer the HiElute Miniprep Spin column (capped) to a new uncapped 2ml collection tube. Pipet 30-50 µl Elution Solution (RNase-Free Water) directly onto the HiElute Miniprep Spin column. Close the tube gently, and centrifuge for 1 minute at  $\geq 8000 \times g$  ( $\geq 10,000$  rpm) at room temperature (15-25°C) to elute.

If the expected RNA yield is  $> 30 \mu\text{g}$ , repeat the elution step (step 10) as described with a second volume of RNase-Free Water. Elute into the same collection tube.

12. Transfer the eluate in to new capped 2.0ml collection tube for longer storage.

**NOTE:** To obtain a higher total RNA concentration, this second elution step may be performed by using the first eluate. The yield will be 15-30% less than the yield obtained using a second volume of RNase-free water, but the final concentration will be higher.

**Storage of the eluate with purified RNA:** The eluate contains pure RNA, recommended to be stored at lower temperature (-80°C). Avoid repeated freezing and thawing of the sample which may cause denaturing of RNA.

### Warning and Precautions

Certified for *in vitro* Diagnostic Use (IVD). Not for Medicinal Use. Read the procedure carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

### Limitations

The yield of DNA and RNA depends upon the type and the volume of starting material used.

### Performance and Evaluation

Performance of the kit is expected when the kit is used as per the protocol mentioned in the product insert within the expiry period when stored at recommended temperature.

### Quality Control

| Type of Sample | DNA Yield | DNA Purity | RNA Yield   | RNA Purity |
|----------------|-----------|------------|-------------|------------|
| Human blood    | 4-12 µg   | 1.6-1.9    | -           | -          |
| Animal tissue  | -         | -          | upto 100 µg | 1.8-2.1    |

### Trouble shooting Guide:

| Sr.No. | Problem                                                                    | Possible Cause                                                                     | Solution                                                                                                                                                                                                                |
|--------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.     | Presence of cell clumps / colored residue on the spin column after washing | Inefficient cell lysis due to improper mixing of the lysis buffer with the sample. | The sample and the Lysis Solution (C1) should be mixed thoroughly by pulse-vortexing.                                                                                                                                   |
|        |                                                                            | Due to decreased Proteinase K activity                                             | Do not add Proteinase K directly to the Lysis Solution (C1). Ensure that the stock solution is stored as indicated.                                                                                                     |
| 2.     | Poor or low genomic DNA recovery                                           | Lysate/ethanol mixture is not homogenous                                           | In order to obtain a homogenous solution, mix thoroughly by gentle pipetting before adding to the HiElute Miniprep Spin Column (Capped).                                                                                |
|        |                                                                            | DNA elution is improper                                                            | Ensure that the DNA elution is in 200 µl of Elution Buffer (ET). To improve the DNA yield, incubate for 5 minutes at room temperature (15-25°C) after it is added to the column.                                        |
|        |                                                                            | Eluate contains residual ethanol from wash                                         | Remove ethanol from the second wash completely before eluting the DNA. Spin for an additional minute to dry the membrane completely. In order to avoid the interference of ethanol, fresh tube can be used for elution. |

|    |                                                                             |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|-----------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                             | Use of water instead of Elution Buffer for elution of DNA                | Elution Buffer (ET) is recommended for optimal yield and storage of the genomic DNA. If water is used instead of the elution buffer the pH should be at least 7.0, to avoid acidic conditions, which may cause acid hydrolysis of DNA when stored for long periods of time.                                                                                                                                                |
|    |                                                                             |                                                                          | <b>NOTE:</b> Only DNase/RNase and Protease free water should be used for eluting DNA.                                                                                                                                                                                                                                                                                                                                      |
|    |                                                                             | Wash Solution Concentrate was not diluted before use                     | Ensure that the Wash Solution concentrate is properly diluted with ethanol as per general preparation instructions.                                                                                                                                                                                                                                                                                                        |
| 3. | Purity of the DNA is lower than expected ( $A_{260}/A_{280}$ ratio is less) | Background reading is high due to silica fines                           | Spin the DNA sample at maximum speed for 1 minute and use the supernatant to repeat the absorbance readings.                                                                                                                                                                                                                                                                                                               |
|    |                                                                             | Elate was diluted in water for absorbance measurement                    | Use the Elution Buffer (ET) provided with the kit.                                                                                                                                                                                                                                                                                                                                                                         |
|    |                                                                             | Purification is incomplete due to column overloading or inadequate lysis | Reduce the initial volume of the sample or increase the lysis time while monitoring the lysis visually.                                                                                                                                                                                                                                                                                                                    |
| 4. | $A_{260}/A_{280}$ ratio is too high                                         | RNA contamination                                                        | RNase A treatment should be included in future isolations or the final product can be treated with RNase A and repurified.                                                                                                                                                                                                                                                                                                 |
| 5. | Shearing of genomic DNA                                                     | Improper handling of genomic DNA                                         | All pipetting steps should be executed as gently as possible. Wide orifice pipette tips are recommended to eliminate shearing of the DNA to a large extent. If the isolated DNA is to be used for PCR, instead of vortexing, mix with gentle pipetting or invert until homogenous. This reduces shearing of DNA considerably.                                                                                              |
|    |                                                                             | Sample is old, degraded, or has undergone repeated freeze/ thaw cycles   | Fresh cells, tissues, rodent tail, whole blood should be used immediately. Old material may yield degraded DNA in the eluate. Cells and tissues can be frozen in liquid nitrogen and stored at $-70^{\circ}\text{C}$ until needed. Rodent tails can be stored at $-20^{\circ}\text{C}$ for several weeks or $-70^{\circ}\text{C}$ for several months. Whole blood can be stored at $4^{\circ}\text{C}$ for up to 12 hours. |
|    |                                                                             | Cells are old                                                            | Cells grown for a longer time period                                                                                                                                                                                                                                                                                                                                                                                       |

|    |                                               |                                                                |                                                                                                                                                                                                                                                                                                                                           |
|----|-----------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                               |                                                                | may lyse prematurely when subjected to cell wall lysing enzymes, which may result in the release of endogenous nucleases and subsequent DNA degradation.                                                                                                                                                                                  |
| 6. | Downstream applications are inhibited         | Traces of ethanol present in the final genomic DNA preparation | After the washing steps, the eluate should not come in contact with the column. Spin the column for 1 minute at maximum speed (12,000-16,000 x g) if necessary, after emptying the collection tube.                                                                                                                                       |
|    |                                               | Salt is carried over in the final genomic DNA preparation      | The column should be transferred to a new 2.0 ml collection tube before adding the wash solution.                                                                                                                                                                                                                                         |
| 7. | Clogged HiElute Miniprep Spin Column (Capped) | Too much starting material                                     | In subsequent preparations, reduce the amount of starting material. It is essential to use the correct amount of starting material (see protocols).                                                                                                                                                                                       |
|    |                                               | Tissues: Centrifugation before adding ethanol not performed    | Centrifuge the lysate before adding ethanol and use only this supernatant in subsequent steps. Pellets contain cell debris can clog the HiElute Miniprep Spin Column (Capped).                                                                                                                                                            |
|    |                                               | Centrifugation temperature is too low                          | The centrifugation temperature should be 20 – 25°C. Some centrifuges may cool to below 20°C even when set at 20°C. This can cause formation of precipitates that can clog the column. If this happens, set the centrifugation temperature to 25°C. Warm the ethanol containing lysate to 37°C before transferring it to the column.       |
| 8. | Low RNA Yield                                 | Too much starting material                                     | In subsequent preparations, reduce the amount of starting material. It is essential to use the correct amount of starting material.                                                                                                                                                                                                       |
|    |                                               | RNA still bound to HiElute Miniprep Spin Column                | Repeat RNA elution, but incubate the HiElute Miniprep Spin Column for 10 mins at room temperature (15-25°C) with Elution solution (RNase free water) before centrifuging.                                                                                                                                                                 |
|    |                                               | Ethanol carryover                                              | During the second wash with Wash Solution (WS) be sure to centrifuge at 2 min at $\geq 8000 \times g$ ( $\geq 10,000$ rpm) to dry the column. After centrifugation, carefully remove the column from the collection tube so that the column does not contact the flow through otherwise carryover of ethanol will occur. To eliminate any |

|  |  |                                            |                                                                                                           |
|--|--|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  |  |                                            | chance of possible ethanol, centrifuge the column for another minute at full speed.                       |
|  |  | Incomplete removal of cell culture medium. | When processing cultured cells ensure complete removal of the cell culture medium after harvesting cells. |

### **Safety Information**

The HiPurA® DNA/ RNA Purification Kit is for laboratory use only, not for drug, household or other uses. The Lysis Solution (C1) contains chaotropic salts, which are irritants. Take appropriate laboratory safety measures and wear gloves when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

### **Disposal**

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed off in accordance with current laboratory techniques.

### **Technical Assistance**

At HiMedia, we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail to [mb@himedialabs.com](mailto:mb@himedialabs.com).

---

Please refer disclaimer Overleaf.

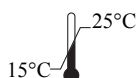




In vitro diagnostic medical device



CE Marking



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Private Limited,  
Reg. Off: Plot No. C-40, Road No. 21Y,  
MIDC, Wagle Industrial Estate, Thane,  
(West) 400604, Maharashtra, INDIA. Web:  
[www.himedialabs.com](http://www.himedialabs.com)



CE Partner 4U ,Esdoornlaan 13, 3951  
DB Maarn The Netherlands,  
[www.cepartner4u.eu](http://www.cepartner4u.eu)



08/2027

PIMB583\_0/0824

MB583-02

#### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Estate, Thane, (West) 400604, Maharashtra, INDIA.  
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: [techhelp@himedialabs.com](mailto:techhelp@himedialabs.com) Website: [www.himedialabs.com](http://www.himedialabs.com)

**HiMedia Laboratories Private Limited**

C-40, Road No.21Y, MIDC, Wagle Ind. Area, Thane(W) - 400604

Website : www.himedialabs.com, Email : info@himedialabs.com

**Certificate of Analysis , Quality and Conformity**

|                              |                                                             |                                                              |
|------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| <b>Material Code : MB583</b> | <b>Material Name :</b><br>HiPurA® DNA/ RNA Purification Kit | <b>Lot No : 0000689095</b><br><br><b>Mfg. Date : 2025-02</b> |
| <b>AR No.: 40001560202</b>   | <b>Date of Report : 2025-02-21</b>                          | <b>Exp. Date : 2026-02</b>                                   |

| TEST                                                | SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RESULTS  |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b><u>Kit Contents</u></b><br><b>1 Kit Contents</b> | (a) DS0090 Resuspension Buffer (MS) (b) DS0014 Gram Positive Lysis Solution (GPLA) (c) DS0010 Lysis Solution (C1) (d) DS0011 Prewash Solution Concentrate (PW) (e) DS0012 Wash Solution Concentrate (WS) (f) DS0040 Elution Buffer (ET) [10 mM Tris-Cl, pH 8.5] (g) MB086 Proteinase K (h) DS0003 RNase A Solution (20 mg/ml) (i) MB098 Lysozyme (j) DS0037 RNA Lysis Solution (HRL) (k) DS0041 Prewash Solution (RW1) (l) DS0042 Elution Solution (RNase- Free Water) (m) DBCA03 HiElute Miniprep Spin Column (Capped) (in DBCA016 Collection Tube) (n) DSCA02 HiShredder (in DBCA016 Collection Tube) | complies |
| <b><u>Results</u></b><br><b>1 DNA/ RNA yield</b>    | Typical DNA yield from 1X 10 <sup>6</sup> cells is 10-20µg and 30mg of tissue yields 30-45 µg of DNA. Typical RNA yield is upto 100g of total RNA                                                                                                                                                                                                                                                                                                                                                                                                                                                       | complies |
| <b>2 Spectrophotometry</b>                          | For DNA- A260/A280: 1.6 - 1.9 For RNA- A260/A280: 1.8 - 2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | complies |
| <b>3 Agarose Gel Electrophoresis</b>                | As per specific standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | complies |
| <b>4 Suitability Test</b>                           | This kit has been tested and is suitable for use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | complies |

**STATUS OF THE MATERIAL : APPROVED**

This is to certify that this lot passes and it confirms to the above mentioned tests and specifications . The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particulars use, other than that specified in the current HiMedia manual or product sheets.

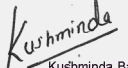
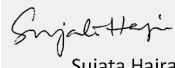
**This document has been produced electronically and is valid**

**HiMedia Laboratories Private Limited**

C-40, Road No.21Y, MIDC, Wagle Ind. Area,Thane(W) - 400604

Website : [www.himedialabs.com](http://www.himedialabs.com), Email : [info@himedialabs.com](mailto:info@himedialabs.com)

|                              |                                                             |                                                              |
|------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| <b>Material Code : MB583</b> | <b>Material Name :</b><br>HiPurA® DNA/ RNA Purification Kit | <b>Lot No : 0000689095</b><br><br><b>Mfg. Date : 2025-02</b> |
| <b>AR No.: 40001560202</b>   | <b>Date of Report : 2025-02-21</b>                          | <b>Exp. Date : 2026-02</b>                                   |

| TEST                                                                                                                                  | SPECIFICATIONS                                                                                                                                             | RESULTS                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Kushminda Bhangera<br><b>Molecular biologist</b> | <br>Sneha Thakur<br><b>Asst./Dy/QC Manager</b><br><b>Mol.Bio.Division</b> | <br>Sujata Hajra<br><b>Dy/QA Manager</b><br><b>Mol.Bio.Division</b> |

# Dulbecco's Phosphate Buffered Saline 1X

Without Phenol red, Calcium and Magnesium

**Product Code: TL1006**

## Product Description:

All media used in tissue culture have a basis of a synthetic mixture of inorganic salts known as a physiological or balanced salt solution (BSS). All the physiological salt solutions have been derived from the salt solution originally described by Sydney Ringer (1885). The first balanced salt solution to be developed specifically for supporting the metabolism of mammalian cells was Tyrode's solution. Since then many modifications have been done to obtain better buffering salt solutions and to prevent calcium precipitation.

The function of a salt solution is:

- To maintain the medium within physiological pH range.
- To maintain intracellular and extra cellular osmotic balance.
- Modified with a carbohydrate, such as glucose serves as an energy source for cell metabolism.

TL1006 is 1X Dulbecco's Phosphate Buffered Saline without phenol red, calcium and magnesium. It is most commonly used for tissue disaggregation and monolayer dispersal since presence of calcium and magnesium ions may hinder the trypsin activity.

## Composition:

| Ingredients                         | mg/L     |
|-------------------------------------|----------|
| <b>INORGANIC SALTS</b>              |          |
| Disodium hydrogen phosphate         | 1150.000 |
| Potassium chloride                  | 200.000  |
| Potassium dihydrogen orthophosphate | 200.000  |
| Sodium chloride                     | 8000.000 |

## Quality Control:

### Appearance

Colorless, clear solution

### pH

7.20 -7.80

### Osmolality in mOsm/Kg H<sub>2</sub>O

265.00 -305.00

### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

### Toxicity test

Passes

### Endotoxin content

NMT 1EU/ml

## Storage and Shelf Life:

Store at 15- 30°C away from bright light.

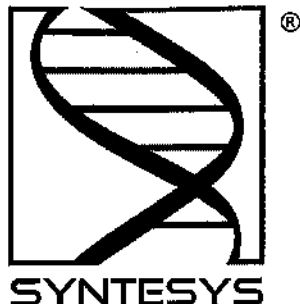
Shelf life is 24 months.

Use before expiry date given on the product label.

## Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Revision: 04/2022



**SYNTESYS S.R.L. UNIPERSONALE**

VIA G. GALILEI, 10/3 - 35037 Z.I. SELVE DI TEOLO (PD)  
TEL. +39 049 9903866 R.A. FAX +39 049 9903867  
C.F./P.I./N.REG.IMP. PADOVA 03573950288  
REA PD-320123 - CAP.SOC. 20.700,00€  
E-MAIL [INFO@SYNTESYS.IT](mailto:INFO@SYNTESYS.IT) - WEB [WWW.SYNTESYS.IT](http://WWW.SYNTESYS.IT)  
PEC [POSTA@PEC.SYNTESYS.IT](mailto:POSTA@PEC.SYNTESYS.IT)

## AUTHORIZATION LETTER

We, **Syntesys S.R.L.** having a registered office at Via G. Galilei 10/3, 35037 Selve di Teolo - PD - Italy, assign **Sanmedico SRL** having a registered office at A.Corobceanu str., apt. 9, Chişinău MD-2012, Moldova, as authorized representative.

We declare that the company mentioned above is authorized to register, notify, renew or modify the registration of medical devices on the territory of the Republic of Moldova.

This letter is valid till 31.12.2025

Teolo, 13.09.2024

Rinaldo Ruggero  
CEO and Legal Representative  
SYNTESYS S.R.L.

# Certificate

**CISQ/ICIM S.P.A.** has issued an IQNet recognized certificate that the organization:

## **SYNTESYS S.R.L.**

**Head Office and Operative Unit**

**Via G. Galilei, 10/1-2-3 - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Operative Units**

**Via G. Galilei, 16/1 - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Via San Benedetto, 48/A - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Via G. Galilei, 3 - Zona Industriale - I-35037 Selve di Teolo (PD)**

has implemented and maintains a/an

## **Quality Management System**

for the following scope:

**Trading of products for laboratory analysis. Manufacturing of products for laboratory analysis and sanitary products. Design and production management of sterile swabs for the collection and the preservation of biological samples, also for surgical application, with or without transport medium.**

which fulfils the requirements of the following standard:

## **ISO 9001:2015**

Issued on: **2022-06-05**

First issued on: **2013-06-05**

Expires on: **2025-06-04**

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number: **IT-83562**



**Alex Stoichitoiu**  
President of IQNET



**Mario Romersi**  
President of CISQ



This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

### **IQNET Members\*:**

**AENOR** Spain **AFNOR Certification** France **APCER** Portugal **CCC** Cyprus **CISQ** Italy **CQC** China **CQM** China **CQS** Czech Republic  
**Cro Cert** Croatia **DQS Holding GmbH** Germany **EAGLE Certification Group** USA **FCAV** Brazil **FONDONORMA** Venezuela **ICONTEC**  
Colombia **ICS** Bosnia and Herzegovina **Inspecta Sertifointi Oy** Finland **INTECO** Costa Rica **IRAM** Argentina **JQA** Japan **KFQ** Korea  
**LSQA** Uruguay **MIRTEC** Greece **MSZT** Hungary **Nemko AS** Norway **NSAI** Ireland **NYCE-SIGE** México **PCBC** Poland **Quality Austria**  
Austria **SII** Israel **SIQ** Slovenia **SIRIM QAS International** Malaysia **SQS** Switzerland **SRAC** Romania **TSE** Turkey **YUQS** Serbia

\* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)



CISQ is a member of



The International Certification Network  
www.iqnet-certification.com

CERTIFICATO N.  
CERTIFICATE No.

6574/3

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI  
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

## SYNTESYS S.R.L.

### Sede e Unità Operativa

Via G. Galilei, 10/1-2-3 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia  
*Commercializzazione di prodotti per analisi di laboratorio. Produzione di prodotti per analisi di laboratorio e articoli sanitari. Progettazione e gestione della produzione di tamponi sterili per la raccolta e la conservazione di campioni biologici, anche in ambito chirurgico, con o senza terreno di trasporto.*

### Unità Operative

Via G. Galilei, 16/1 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*  
Via San Benedetto, 48/A - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*  
Via G. Galilei, 3 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*  
\* Magazzino.

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

## UNI EN ISO 9001:2015

Sistema di Gestione per la Qualità / Quality Management System

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

**EA: 29 - 14**

Commercializzazione di prodotti per analisi di laboratorio. Produzione di prodotti per analisi di laboratorio e articoli sanitari. Progettazione e gestione della produzione di tamponi sterili per la raccolta e la conservazione di campioni biologici, anche in ambito chirurgico, con o senza terreno di trasporto.

*Trading of products for laboratory analysis. Manufacturing of products for laboratory analysis and sanitary products. Design and production management of sterile swabs for the collection and the preservation of biological samples, also for surgical application, with or without transport medium.*

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.  
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.

Il presente certificato è soggetto al rispetto del documento ICIM "Regolamento per la certificazione dei sistemi di gestione" e al relativo Schema specifico.  
The use and the validity of this certificate shall satisfy the requirements of the ICIM document "Rules for the certification of company management systems" and specific Scheme.

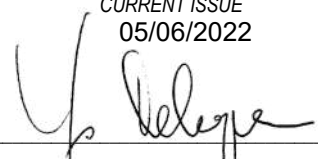
Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it.

For timely and updated information about any changes in the certification status referred to in this certificate, please contact the number +39 02 725341 or email address info@icim.it.

DATA EMISSIONE  
FIRST ISSUE  
05/06/2013

EMISSIONE CORRENTE  
CURRENT ISSUE  
05/06/2022

DATA DI SCADENZA  
EXPIRING DATE  
04/06/2025

  
Vincenzo Delacqua  
Rappresentante Direzione / Management Representative  
ICIM S.p.A.

Piazza Don Enrico Mapelli, 75 – 20099 Sesto San Giovanni (MI)  
www.icim.it



SGQ N° 004 A



www.cisq.com

CISQ è la Federazione Italiana di Organismi di  
Certificazione dei sistemi di gestione aziendale. CISQ  
is the Italian Federation of management system  
Certification Bodies.



# Certificate

**CISQ/ICIM S.P.A.** has issued an IQNet recognized certificate that the organization:

## **SYNTESYS S.R.L.**

**Head Office and Operative Unit**

**Via G. Galilei, 10/1-2-3 - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Operative Units**

**Via G. Galilei, 16/1 - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Via San Benedetto, 48/A - Zona Industriale - I-35037 Selve di Teolo (PD)**

**Via G. Galilei, 3 - Zona Industriale - I-35037 Selve di Teolo (PD)**

has implemented and maintains a/an

## **Quality Management System**

for the following scope:

**Trading of products for laboratory analysis. Manufacturing of products for laboratory analysis and sanitary products. Design and production management of sterile swabs for the collection and the preservation of biological samples, also for surgical application, with or without transport medium.**

which fulfils the requirements of the following standard:

## **ISO 13485:2016**

Issued on: **2022-06-05**

First issued on: **2014-06-21**

Expires on: **2025-06-04**

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration Number: **IT-93779**



**Alex Stoichitoiu**  
President of IQNET



**Mario Romersi**  
President of CISQ



This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

### **IQNET Members\*:**

**AENOR** Spain **AFNOR Certification** France **APCER** Portugal **CCC** Cyprus **CISQ** Italy **CQC** China **CQM** China **CQS** Czech Republic  
**Cro Cert** Croatia **DQS Holding GmbH** Germany **EAGLE Certification Group** USA **FCAV** Brazil **FONDONORMA** Venezuela **ICONTEC**  
Colombia **ICS** Bosnia and Herzegovina **Inspecta Sertifointi Oy** Finland **INTECO** Costa Rica **IRAM** Argentina **JQA** Japan **KFQ** Korea  
**LSQA** Uruguay **MIRTEC** Greece **MSZT** Hungary **Nemko AS** Norway **NSAI** Ireland **NYCE-SIGE** México **PCBC** Poland **Quality Austria**  
Austria **SII** Israel **SIQ** Slovenia **SIRIM QAS International** Malaysia **SQS** Switzerland **SRAC** Romania **TSE** Turkey **YUQS** Serbia

\* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)





CISQ is a member of



The International Certification Network  
www.iqnet-certification.com

CERTIFICATO n. **7111/3**  
CERTIFICATE No. \_\_\_\_\_

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI  
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

## SYNTESYS S.R.L.

### Sede e Unità Operativa

Via G. Galilei, 10/1-2-3 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia

*Commercializzazione di prodotti per analisi di laboratorio. Produzione di prodotti per analisi di laboratorio e articoli sanitari. Progettazione e gestione della produzione di tamponi sterili per la raccolta e la conservazione di campioni biologici, anche in ambito chirurgico, con o senza terreno di trasporto.*

### Unità Operative

Via G. Galilei, 16/1 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*

Via San Benedetto, 48/A - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*

Via G. Galilei, 3 - Zona Industriale - 35037 Selve di Teolo (PD) – Italia \*

\* Magazzino.

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

## UNI CEI EN ISO 13485:2016

Sistema di Gestione per la Qualità / Quality Management System

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

Commercializzazione di prodotti per analisi di laboratorio. Produzione di prodotti per analisi di laboratorio e articoli sanitari. Progettazione e gestione della produzione di tamponi sterili per la raccolta e la conservazione di campioni biologici, anche in ambito chirurgico, con o senza terreno di trasporto.

*Trading of products for laboratory analysis. Manufacturing of products for laboratory analysis and sanitary products. Design and production management of sterile swabs for the collection and the preservation of biological samples, also for surgical application, with or without transport medium.*

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.  
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.

Il presente certificato è soggetto al rispetto del documento ICIM "Regolamento per la certificazione dei sistemi di gestione" e al relativo Schema specifico.  
The use and the validity of this certificate shall satisfy the requirements of the ICIM document "Rules for the certification of company management systems" and Specific Scheme.

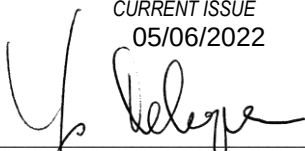
Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it.

For timely and updated information about any changes in the certification status referred to in this certificate, please contact the number +39 02 725341 or email address info@icim.it.

DATA EMISSIONE  
FIRST ISSUE  
21/06/2014

EMISSIONE CORRENTE  
CURRENT ISSUE  
05/06/2022

DATA DI SCADENZA  
EXPIRING DATE  
04/06/2025

  
Vincenzo Delacqua  
Rappresentante Direzione / Management Representative  
ICIM S.p.A.  
Piazza Don Enrico Mapelli, 75 – 20099 Sesto San Giovanni (MI)  
www.icim.it



SGQ N° 004 A



www.cisq.com

CISQ è la Federazione Italiana di Organismi di  
Certificazione dei sistemi di gestione aziendale. CISQ  
is the Italian Federation of management system  
Certification Bodies.



**LP ITALIANA SPA**

Via C. Reale 15/4, 20157 Milano, ITALY  
T +39 02 3933 06.1 - F +39 02 3931 3484  
www.lpitaliana.com - info@lpitaliana.com

Capitale Sociale € 309.600,00  
R.E.A. MI 882798  
Reg. Imp. C.F. e P.I. MI 01794050151

## CONFORMITY DECLARATION Serological Pipettes

References: Invoice FV-24-01364 of JUN. 17, 2024

| Product Code | Description                                     | Lot n.             |
|--------------|-------------------------------------------------|--------------------|
| 160110       | PS Pipette 1 ml single wrapped sterile G 18 kGy | D0319AAA           |
|              |                                                 | <b>Expiry Date</b> |
|              |                                                 | 2029-03            |

**LP ITALIANA declares that all quality qualifications of the products have been respected and that all information on these documents are correct.**

- Products are manufactured in accordance with quality system ISO 13485 and ISO 9001 ☒
- Products passed visual and functional controls and are in accordance with our internal procedures. ☒
- Irradiating process is in accordance with ISO 11137 ☒
- Products are irradiated by ionizing radiations at nominal dose of 18 kGy. Batch number 3527520 ☒

LP ITALIANA SPA  
**Valerio Garagiola**  
*Quality Control*



**LP ITALIANA SPA**

Via C. Reale 15/4, 20157 Milano, ITALY  
T +39 02 3933 06.1 - F +39 02 3931 3484  
www.lpitaliana.com - info@lpitaliana.com

Capitale Sociale € 309.600,00  
R.E.A. MI 882798  
Reg. Imp. C.F. e P.I. MI 01794050151

## DECLARATION OF CONFORMITY Serological Pipettes

References: Invoice FV-20-02112 of JUL. 29, 2020

| Product Code | Description                           | Lot n.             |
|--------------|---------------------------------------|--------------------|
| 160210       | PS STERILE 2 ML PIPETTE, SINGLE WRAP. | Z0651BAA           |
|              |                                       | <b>Expiry Date</b> |
|              |                                       | 2025-06            |

**LP ITALIANA declares that all quality qualifications of the products have been respected and that all information on these documents are correct.**

- Products are manufactured in accordance with quality system ISO 13485 and ISO 9001 ☒
- Products passed visual and functional controls and are in accordance with our internal procedures. ☒
- Irradiating process is validated and in accordance with ISO 11137 ☒
- Products are irradiated by ionizing radiations at nominal dose of 18 kGy. Batch number 2681325 ☒

**LP ITALIANA SPA**

**Massimiliano Capitanio**

*Quality Assurance Manager*



05

ITA Puntali, puntali in rack e pipette  
EN Tips, tips in rack and pipettes

## PIPETTE PER SIEROLOGIA DISPOSABLE PLASTIC PIPETTES



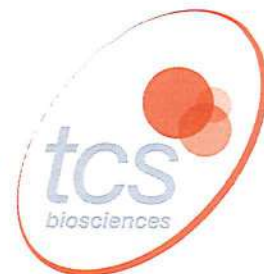
|        |                                                                                                                                                                                        | Conf. / Case |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 323210 | Pipetta per sierologia 1 ml cotonata sterile graduata div. 1/100 confezione da 25 pz<br><i>Sterile disposable plastic pipette 1 ml graduation 1/100 bags of 25 pcs</i>                 | 1.000 pz/pcs |
| 323205 | Pipetta per sierologia 1 ml cotonata sterile graduata div. 1/100 confezione singola<br><i>Sterile disposable plastic pipette 1 ml graduation 1/100 individually wrapped</i>            | 1.000 pz/pcs |
| 323230 | Pipetta per sierologia 2 ml cotonata sterile graduata div. 1/100 confezione da 25 pz<br><i>Sterile disposable plastic pipette 2 ml graduation 1/100 bags of 25 pcs</i>                 | 1.000 pz/pcs |
| 323225 | Pipetta per sierologia 2 ml cotonata sterile graduata div. 1/100 confezione singola<br><i>Sterile disposable plastic pipette 2 ml graduation 1/100 individually wrapped</i>            | 1.000 pz/pcs |
| 323250 | Pipetta per sierologia 5 ml cotonata sterile graduata div. 1/10 confezione da 25 pz<br><i>Sterile disposable plastic pipette 5 ml graduation 1/10 bags of 25 pcs</i>                   | 500 pz/pcs   |
| 323245 | Pipetta per sierologia 5 ml cotonata sterile graduata div. 1/10 confezione singola<br><i>Sterile disposable plastic pipette 5 ml graduation 1/10 individually wrapped</i>              | 500 pz/pcs   |
| 323270 | Pipetta per sierologia 10 ml cotonata sterile graduata div. 1/10 confezione da 25 pz<br><i>Sterile disposable plastic pipette 10 ml graduation 1/10 bags of 25 pcs</i>                 | 500 pz/pcs   |
| 323265 | Pipetta per sierologia 10 ml cotonate sterile graduata div. 1/10 confezione singola<br><i>Sterile disposable plastic pipette 10 ml graduation 1/10 individually wrapped</i>            | 500 pz/pcs   |
| 323285 | Pipetta per sierologia 25 ml cotonate sterile graduata div. 2/10 confezione singola<br><i>Sterile disposable plastic pipette 25 ml graduation 2/10 individually wrapped</i>            | 200 pz/pcs   |
| 357550 | Pipetta per sierologia 50 ml cotonata graduata 1 ml sterile in confezione singola<br><i>Sterile disposable plastic pipette 50 ml graduation 1 ml individually wrapped</i>              | 100 pz/pcs   |
| 357600 | Pipetta per sierologia 100 ml cotonata increm. graduazione 1 ml sterile in confezione singola<br><i>Sterile disposable plastic pipette 100 ml graduation 1 ml individually wrapped</i> | 50 pz/pcs    |

## PIPETTATORE PIPETTOR



|        |                                                                                                                                      |         |
|--------|--------------------------------------------------------------------------------------------------------------------------------------|---------|
| 357591 | Dispositivo automatico per pipettatura completo di carica batteria e fi litri<br><i>Automatic pipettor with charger and fi lters</i> | 1 pz/pc |
|--------|--------------------------------------------------------------------------------------------------------------------------------------|---------|





### Authorisation to Distribute

TCS Biosciences Limited, having registered offices in Botolph Claydon, Buckingham MK18 2LR, England, confirms that:

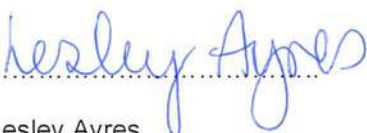
**SanMedico SRL, 88/1 Petricani Str, Office 10, MS-2059, mun Chisinau, Republic of Moldova**

Is authorised to promote and sell the TCS Biosciences range of products in the Republic of Moldova on a non-exclusive basis.

SanMedico SRL is also authorised to participate in tenders, to submit quotations and to deliver these products within the territory of Republic of Moldova.

This letter of authorisation is valid for 1 year from the date of issue but can be terminated by either party provided that a notice period of 3 months is given.

This authorisation may be extended by 1 year, by mutual agreement between TCS Biosciences Limited and San Medico SRL Limited

Signed: 

Date: 12<sup>th</sup> September 2024

Name: Lesley Ayres

Title: Key Account Manager



# Certificate of Registration

## QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

TCS Biosciences Limited  
Botolph Claydon  
Buckingham  
MK18 2LR  
United Kingdom

Holds Certificate Number:

FS 28907

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

**The procurement, manufacture, design, development and sale of a range of diagnostic products for clinical, pharmaceutical, food and environmental laboratory testing.**

For and on behalf of BSI:



Matt Page, Senior Vice President, EMEA Assurance

Original Registration Date: 1994-08-11

Latest Revision Date: 2024-12-13

Effective Date: 2025-01-27

Expiry Date: 2028-01-26



Page: 1 of 1

...making excellence a habit.™

# Certificate of Registration

## QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that:

TCS Biosciences Ltd  
Botolph Claydon  
Buckingham  
Buckinghamshire  
MK18 2LR  
United Kingdom

Holds Certificate Number:

MD 800713

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 for the following scope:

Design, development, manufacture and distribution of freeze-dried microorganisms for Microbiology.

For and on behalf of BSI:



Graeme Tunbridge, Senior Vice President Global Regulatory & Quality

Original Registration Date: 2025-02-25

Latest Revision Date: 2025-02-25

Effective Date: 2025-02-25

Expiry Date: 2028-02-24

Page: 1 of 2



...making excellence a habit.™

Certificate No: MD 800713

| Location                                                                                                          | Registered Activities                                                                |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| TCS Biosciences Ltd<br>Botolph Claydon<br>Buckingham<br>Buckinghamshire<br>MK18 2LR<br>United Kingdom             | QC testing and distribution of freeze-dried microorganisms for Microbiology.         |
| TCS Biosciences Ltd (Park Leys)<br>Botolph Claydon<br>Buckingham<br>Buckinghamshire<br>MK18 2LR<br>United Kingdom | Design, development and manufacture of freeze-dried microorganisms for Microbiology. |



Original Registration Date: 2025-02-25  
Latest Revision Date: 2025-02-25

Effective Date: 2025-02-25  
Expiry Date: 2028-02-24

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.  
An electronic certificate can be authenticated [online](#).  
Printed copies can be validated at [www.bsigroup.com/ClientDirectory](http://www.bsigroup.com/ClientDirectory)





### SELF DECLARATION OF CONFORMITY

We declare under our sole responsibility in accordance with MHRA account number 0000009546 that the following CE marked products:

| GMDN Term                                            | GMDN Code | TCS product code and description |
|------------------------------------------------------|-----------|----------------------------------|
| General microbial isolate identification control IVD | 63319     | Selectrol – All MIM codes        |

conform to the relevant provisions of the In-vitro Diagnostic Medical Devices Directive 98/79/EC and The Medical Devices Regulations 2002 (SI 2002 No.618) and The Medical Devices (Amendment) Regulations 2003 (SI 2003 No.1697) for in-vitro diagnostic medical devices.

This declaration is made on the basis of meeting the requirements of Annexes I and III of the In-Vitro Diagnostic Medical Devices Directive 98/79/EC and continued maintenance of an approved Quality Management System meeting the requirements of ISO 9001, as certified by BS, certificate number FS 28907.

Signed by: Sue Brown

Date: September 2020

Name: Sue Brown  
Position: Quality Assurance & Regulatory Affairs Manager

Signed by: Lynda Preston

Date: September 2020

Name: Lynda Preston  
Position: Managing Director

Manufacturer  
TCS Biosciences Ltd  
Botolph Claydon  
Buckingham MK18 2LR  
UK

EC Authorised Representative  
TCS Biosciences Europe B.V.  
Provincialeweg 6  
9864 PD Kornhorn  
The Netherlands

**ANNEX TO SELF DECLARATION OF CONFORMITY – SELECTROL (Dated 30.04.2016)**

List of product codes and descriptions – August 2018

| <b>Product</b> | <b>Description</b>                     |
|----------------|----------------------------------------|
| MM01-10        | Enterobacter cloacae 10 Disc           |
| MM02-10        | Escherichia coli 10 Disc               |
| MM02-25        | Escherichia coli 25 Disc               |
| MM04-10        | Klebsiella pneumoniae 10 Disc          |
| MM04-25        | Klebsiella pneumoniae 25 Disc          |
| MM05-5         | Neisseria gonorrhoeae 5 Disc           |
| MM07-10        | Shigella sonnei 10 Disc                |
| MM08-10        | Legionella pneumophila serogroup 1 10d |
| MM09-10        | Proteus vulgaris 10 Disc               |
| MM09-25        | Proteus vulgaris 25 Disc               |
| MM10-10        | Pseudomonas aeruginosa 10 Disc         |
| MM10-10        | Pseudomonas aeruginosa 10 Disc         |
| MM10-25        | Pseudomonas aeruginosa 25 Disc         |
| MM100-10       | Haemophilus influenzae 10 Disc         |
| MM11-10        | Salmonella Typhimurium 10 Disc         |
| MM11-25        | Salmonella Typhimurium 25 Disc         |
| MM12-10        | Serratia marcescens 10 Disc            |
| MM13-10        | Staphylococcus aureus 10 Disc          |
| MM13-10        | Staphylococcus aureus 10 Disc          |
| MM13-25        | Staphylococcus aureus 25 Disc          |
| MM14-10        | Staphylococcus aureus 10 Disc          |
| MM14-25        | Staphylococcus aureus 25 Disc          |
| MM15-10        | Staphylococcus epidermidis 10 Disc     |
| MM15-10        | Staphylococcus epidermidis 10 Disc     |
| MM15-25        | Staphylococcus epidermidis 25 Disc     |
| MM16-10        | Streptococcus agalactiae 10 Disc       |
| MM17-10        | Enterococcus faecalis 10 Disc          |
| MM17-25        | Enterococcus faecalis 25 Disc          |
| MM18-10        | Enterococcus faecalis 10 Disc          |
| MM18-10        | Enterococcus faecalis 10 Disc          |
| MM18-25        | Enterococcus faecalis 25 Disc          |
| MM19-10        | Streptococcus pneumoniae 10 Disc       |
| MM20-10        | Streptococcus pyogenes 10 Disc         |
| MM20-25        | Streptococcus pyogenes 25 Disc         |
| MM21-10        | Bacillus cereus 10 Disc                |
| MM24-10        | Escherichia coli 10 Disc               |
| MM24-25        | Escherichia coli 25 Disc               |
| MM26-10        | Enterobacter aerogenes 10 Disc         |
| MM26-25        | Enterobacter aerogenes 25 Disc         |

| Product | Description                        |
|---------|------------------------------------|
| MM27-10 | Citrobacter freundii 10 Disc       |
| MM28-10 | Candida albicans 10 Disc           |
| MM28-25 | Candida albicans 25 Disc           |
| MM29-10 | Bacillus subtilis 10 Disc          |
| MM29-25 | Bacillus subtilis 25 Disc          |
| MM30-10 | Staphylococcus aureus 10 Disc      |
| MM30-25 | Staphylococcus aureus 25 Disc      |
| MM31-10 | Clostridium sporogenes 10 Disc     |
| MM33-10 | Escherichia coli 10 Disc           |
| MM33-25 | Escherichia coli 25 Disc           |
| MM34-10 | Escherichia coli (mcr-1) 10 Disc   |
| MM35-10 | Enterococcus hirae 10 Disc         |
| MM36-10 | Campylobacter jejuni 10 Disc       |
| MM37-10 | Haemophilus influenzae 10 Disc     |
| MM38-10 | Escherichia coli 10 Disc           |
| MM38-25 | Escherichia coli 25 Disc           |
| MM40-25 | Pseudomonas aeruginosa 25 Disc     |
| MM41-10 | Pseudomonas aeruginosa 10 Disc     |
| MM42-10 | Candida albicans 10 Disc           |
| MM42-25 | Candida albicans 25 Disc           |
| MM43-10 | Proteus mirabilis 10 Disc          |
| MM44-10 | Bacteroides fragilis 10 Disc       |
| MM44-10 | Bacteroides fragilis 10 Disc       |
| MM45-10 | Clostridium perfringens 10 Disc    |
| MM45-10 | Clostridium perfringens 10 Disc    |
| MM46-10 | Staphylococcus aureus 10 Disc      |
| MM46-10 | Staphylococcus aureus 10 Disc      |
| MM46-25 | Staphylococcus aureus 25 Disc      |
| MM47-10 | Listeria monocytogenes 10 Disc     |
| MM48-10 | Listeria monocytogenes 10 Disc     |
| MM48-25 | Listeria monocytogenes 25 Disc     |
| MM50-10 | Saccharomyces cerevisiae 10 Disc   |
| MM51-10 | Enterobacter cloacae 10 Disc       |
| MM52-10 | Enterococcus faecalis 10 Disc      |
| MM53-10 | Candida krusei 10 Disc             |
| MM54-10 | Candida parapsilosis 10 Disc       |
| MM55-10 | Klebsiella pneumoniae 10 disc      |
| MM56-10 | Klebsiella pneumoniae 10 Disc      |
| MM57-10 | Escherichia coli 10 Disc           |
| MM58-10 | Klebsiella pneumoniae 10 Disc      |
| MM59-10 | Klebsiella pneumoniae 10 Disc      |
| MM60-10 | Streptococcus dysgalactiae 10 Disc |
| MM62-10 | Salmonella Enteritidis 10 Disc     |

| Product | Description                             |
|---------|-----------------------------------------|
| MM63-10 | Escherichia coli 10 Disc                |
| MM64-10 | Staphylococcus aureus 10 Disc           |
| MM65-10 | Pseudomonas aeruginosa 10 Disc          |
| MM68-10 | Proteus mirabilis 10 Disc               |
| MM70-10 | Burkholderia cepacia 10 Disc            |
| MM73-10 | Saccharomyces cerevisiae 10 Disc        |
| MM73-25 | Saccharomyces cerevisiae 25 Disc        |
| MM75-10 | Escherichia coli 10 Disc                |
| MM76-10 | Lactobacillus brevis 10 Disc            |
| MM77-10 | Listeria monocytogenes 10 Disc          |
| MM80-10 | Yersinia enterocolitica 10 Disc         |
| MM80-25 | Yersinia enterocolitica 25 Disc         |
| MM81-10 | Haemophilus influenzae 10 Disc          |
| MM82-10 | Campylobacter jejuni 10 Disc            |
| MM83-10 | Klebsiella pneumoniae 10 Disc           |
| MM84-10 | Salmonella Nottingham 10 Disc           |
| MM85-10 | Staphylococcus aureus 10 Disc           |
| MM86-10 | Bacillus cereus 10 Disc                 |
| MM86-25 | Bacillus cereus 25 Disc                 |
| MM87-10 | Listeria monocytogenes 10 Disc          |
| MM88-10 | Klebsiella aerogenes 10 Disc            |
| MM89-10 | Salmonella Poona 10 Disc                |
| MM89-25 | Salmonella Poona 25 Disc                |
| MM91-10 | Staphylococcus aureus 10 Disc           |
| MM91-10 | Staphylococcus aureus 10 Disc           |
| MM92-10 | Listeria innocua 10 Disc                |
| MM93-10 | Escherichia coli 0157 non-toxigenic 10d |
| MM93-25 | Escherichia coli 0157 non-toxigenic 25D |
| MM94-10 | Aspergillus brasiliensis 10 Disc        |
| MM95-10 | Streptococcus pneumoniae 10 Disc        |
| MM97-10 | Rhodococcus equi 10 Disc                |
| MM99-10 | Legionella anisa 10 Disc                |
| MM99-10 | Legionella anisa 10 Disc                |

Signed by: Sue Brown

Date: 21.08.2018

Name: Sue Brown  
Position: Regulatory Affairs Manager

Signed by: Lynda Preston

Date: 21.08.2018

Name: Lynda Preston  
Position: Managing Director





accuracy and quality as a science

The background of the lower half of the image is a close-up photograph of several petri dishes containing a red agar medium. A metal pipette tip is shown in the center, dispensing a small amount of the red liquid into one of the dishes. The focus is sharp on the pipette tip and the dish it is adding liquid to, with the other dishes in the background being slightly out of focus.

Selectrol®  
Technical  
Guide



**Selectrol®** : Manufactured under licence from Public Health England Culture Collections

## SELECTROL® - FREEZE-DRIED ORGANISMS IN A DISC

**Quality control of microbial characterisation tests, culture media and antimicrobial susceptibility determinations is best accomplished by the use of microorganisms with well-documented and stable phenotypic and genotypic characteristics.**

Bacterial and fungal strains have been selected and recommended by expert bodies, such as **EUCAST**, **CLSI** and the European Pharmacopoeia, on the basis of their suitability for monitoring test performance and ensuring the validity of results for testing used in clinical, food, pharmaceutical, water and veterinary laboratories.

Products derived from the cultures in the collections should be manufactured using the minimum number of sub-cultures, to minimise the possibility of alterations to the phenotype due to mutations. See also page 14.

Selectrol strains are manufactured exclusively from Public Health England Culture Collections (NCTC® and NCPF®) and are first generation subcultures, unlike many products on the market which are 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup> generation subcultures. They are preserved by long-term storage as freeze-dried cells in order to minimise any alterations to the phenotype caused by mutations.

### Passages

A Selectrol® disc is a first generation subculture from a **master culture** sourced from Public Health England Culture Collections, and is designed to be used to obtain **working stock** cultures for use in testing. It is generally accepted that no more than a total of five passages should be made from the **master culture**, in order to avoid genetic drift and mutant selection. Therefore, no more than four passages (fresh cultures) from the **working stock** should be made.

### Shelf life

For most strains, Selectrol® discs are guaranteed to contain at least 10<sup>6</sup> organisms at the time of purchase; this number is sufficient to ensure that when the discs are used and stored as directed there will be viable organisms cultivable up to the stated end of the shelf life, which is usually 9 months from the time the vial is first opened.

### Quality Control

Selectrol® batches are tested in our UKAS accredited testing laboratory number 2496. A test report for each batch of Selectrol® can be accessed via our website. The reporting of Selectrol® test results via the website comes under our UKAS accreditation.

Selectrol® cultures are rigorously tested to confirm identity, to confirm the possession of essential phenotypic characteristics and to exclude contamination with other organisms. Photographic evidence of the test results is retained for each batch, along with retained appropriately stored samples.





## Glossary

**AMRHAI:** Antimicrobial Resistance and Healthcare Associated Infections reference unit

**ATCC®:** American Type Culture Collection. ATCC® strains are listed for reference only. ATCC® is a registered trademark of the American Type Culture Collection.

**BSAC:** British Society for Antimicrobial Chemotherapy - Now superseded by EUCAST

**CLSI:** Clinical Laboratory Standards Institute. (USA)

**CPE:** Carbapenemase Producing Enterobacteriaceae

**CRE:** Carbapenem Resistant Enterobacteriaceae

**Culture collection:** Cultures of fully characterised organisms maintained in such a way as to minimise sub-culturing. See page 14.

**ESBL:** Extended Spectrum Beta-Lactamase-producing organism.

**EUCAST:** European Committee on Antimicrobial Susceptibility Testing.

**First generation derivative:** A single passage from a master culture, for example a Selectrol® disc.

**Master culture:** Culture derived from a reference culture vial.

**NCPF®:** National Collection of Pathogenic Fungi. NCPF® is a registered trademark of Public Health England.

**NCTC®:** National Collection of Type Cultures. NCTC® is a registered trademark of Public Health England.

**Passage:** An equivalent term for a subculture.

**PHE:** Public Health England.

**Reference cultures:** Quality control strains selected on the basis of their phenotypic biochemical and antimicrobial susceptibility characteristics to be used as controls in microbiological testing. These are obtained as freeze-dried vials from culture collections.

**Stock culture:** Cultures derived from a Selectrol® disc, which can be stored for up to a week, usually on agar slants.

**Working cultures:** Stock cultures further sub-cultured to provide 18-24 hour growth for use in testing.

**WDCM:** World Data Centre for Microorganisms

**WFCC:** World Federation for Culture Collections



## SIGNIFICANT PROPERTIES AND USES OF SELECTROL® ORGANISMS

### ***Aspergillus brasiliensis*** (formerly *Aspergillus niger*):

MM94 – NCPF® 2275 / ATCC® 16404 / WDCM 00053 – used in pharmaceutical industry for testing media and preservatives. Colonies are initially white or yellowish and on the reverse greyish or greenish-yellow. Sporing heads on the colony surface are initially pale, becoming dark brown to black. Sporulation may be inhibited in sealed plates.

### ***Bacillus cereus***:

MM21 – NCTC® 10320 / ATCC® 9634 / WDCM 00001 (recently renamed *Bacillus toyonensis*) – ISO 11133 recommended media and ID test control organism.

MM86 – NCTC® 7464 / ATCC® 10876 – **PHE** recommended media and ID test control organism.

### ***Bacillus subtilis*** (*Bacillus subtilis* subsp. *spizizenii*):

MM29 – NCTC® 10400 / ATCC® 6633 / WDCM 00003 – used in antibiotic assays (fully sensitive), **PHE** recommended media and ID test control organism.



### ***Bacteroides fragilis***:

MM44 – NCTC® 9343 / ATCC® 25285 – type strain, **PHE** recommended strain for media and sensitivity test control.

### ***Campylobacter jejuni*** (*Campylobacter jejuni* subsp. *jejuni*):

MM82 – NCTC® 11322 / ATCC® 29428 / WDCM 00156 – **PHE** recommended strain for media control.

MM36 – NCTC® 11351 / ATCC® 33560 – **EUCAST** recommended strain for susceptibility testing.

### ***Candida albicans***:

MM28 – NCPF® 3255 / ATCC® 2091 / WDCM 00055 – sensitivity control / industrial use.

MM42 – NCPF® 3179 / ATCC® 10231 / WDCM 00054 – pharmaceutical / media testing / **PHE** recommended strain for media control.

### **CRE ≡ 'Carbapenem Resistant Enterobacteriaceae' / CPE ≡ 'Carbapenemase Producing Enterobacteriaceae'**

There are 5 carbapenemases which are currently a significant problem in the UK – KPC, OXA-48, IMP, NDM and VIM – and PHE recommend that all clinically-significant Gram-negative bacteria should be routinely screened for carbapenemase production, using a recommended carbapenem<sup>2</sup> such as ertapenem or meropenem. Resistant isolates may be investigated further to determine which resistance mechanism is involved using the Modified Hodge Test, MALDI-TOF, PCR or a reference laboratory.

MM55 *Klebsiella pneumoniae* – NCTC® 13440 – produces a Class B VIM-1 Carbapenemase.

MM56 *Klebsiella pneumoniae* – NCTC® 13443 – produces a Class B NDM-1 Carbapenemase.

MM58 *Klebsiella pneumoniae* – NCTC® 13438 – produces a Class A KPC-3 Carbapenemase.

MM59 *Klebsiella pneumoniae* – NCTC® 13442 – produces a Class D OXA-48 Carbapenemase.

MM57 *Escherichia coli* – NCTC® 13476 – produces a Class B IMP Carbapenemase.

MM33 *Escherichia coli* – NCTC® 10418 / ATCC® 10536 – recommended by **PHE** as a negative control for CRE testing.

***Citrobacter freundii:***

MM27 – NCTC® 9750 / ATCC® 8090 – type strain.

***Clostridium perfringens:***

MM45 – NCTC® 8237 / ATCC® 13124 / WDCM 00007 – type strain. **PHE** recommended strain for food testing (Tryptose Sulphite Cycloserine agar – lactose and gelatin positive) and sensitivity test control. *Clostridium perfringens* is listed in Schedule 5 of the Anti-terrorism, Crime and Security Act 2001, and should be securely stored in accordance with the guidelines of the Act. However, MM45 is a type A strain, which does not produce the lethal epsilon toxin of potential interest to bioterrorists.

***Clostridium sporogenes:***

MM31 – NCTC® 532 / ATCC® 19404 / WDCM 00008 – used for media control. **PHE** recommended strain for media QC (lactose gelatin medium for ID of *C. perfringens* lactose negative and gelatin positive).

***Enterobacter aerogenes:***

MM26 – NCTC® 10006 / ATCC® 13048 / WDCM 00175 – type strain; used in water, paint and adhesive testing.

***Enterobacter cloacae:***

MM01 – NCTC® 13380 / ATCC® 23355 / WDCM 00082 – disinfectant control, media testing.

MM51 – NCTC® 13406 – **PHE** recommended strain for QC of AmpC (de-repressed) detection.

***Enterococcus faecalis:***

MM52 – NCTC® 13379 / ATCC® 51299 / WDCM 00085 – is vancomycin resistant (low-level VanB mediated) and also shows high-level resistance to aminoglycosides. It is used to confirm methodologies used to detect these resistances are working correctly. Lancefield group D.

MM17 – NCTC® 775 / ATCC® 19433 / WDCM 00009 – used in water industry and QC. **PHE** recommended strain for media control. Fully sensitive. Lancefield group D.

MM18 – NCTC® 12697 / ATCC® 29212 / WDCM 00087 – is fully sensitive to vancomycin and gentamicin. **PHE** recommended positive control strain for aesculin test. **CLSI**, **EUCAST** recommended media control for sulpha / trimethoprim testing and general susceptibility testing control. Lancefield group D.

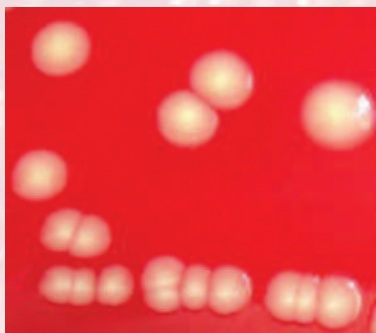


***Enterococcus hirae*:**

MM35 – NCTC® 13383 / ATCC® 10541 / WDCM 00011 – disinfectant control. Used in microbiological assays. Colonies are alpha-haemolytic on sheep blood agar.

***Escherichia coli* strains:**

MM02 – NCTC® 12241 / ATCC® 25922 / WDCM 00013 – **EUCAST**, **CLSI**, **PHE** recommended control strain for susceptibility testing (fully sensitive). Exhibits 2 colony types – the most prevalent type is slightly irregular, smooth and translucent. The secondary type appears more opaque. It is preferable to maintain cultures on agar as passage in broth can result in a change in MIC levels.



MM57 – NCTC® 13476 – CRE testing control; produces a Class B IMP Carbapenemase.

MM33 – NCTC® 10418 / ATCC® 10536 – (**PHE** recommended alternative to NCTC 12241) fully sensitive control strain. **PHE** recommended positive control for indole test, ONPG test, negative control for oxidase test, **PHE** recommended negative control for CRE and ESBL testing.

MM24 – NCTC® 11954 / ATCC® 35218 – beta-lactamase positive strain. **CLSI** recommended strain for susceptibility testing ONLY for penicillin / beta-lactamase inhibitor combinations. Sensitive to amoxicillin / clavulanic acid.

MM75 – NCTC® 9001 / ATCC® 11775 / WDCM 00090 – used in water / chemical industry. **PHE** recommended strain for media QC.

MM93 – NCTC® 12900 / ATCC® 700728 / WDCM 00014 – O157 strain (non-toxigenic). **PHE** recommended strain for media QC.

MM63 – NCTC® 11560 – beta-lactamase positive strain.

MM38 – NCTC® 12923 / ATCC® 8739 / WDCM 00012 – used in pharmaceutical / water industry. Three colony types: A) Entire, glistening, smooth and translucent. B) Entire, glistening smooth and opaque. C) Irregular, rough and translucent. The rough colonies appear after 48 hours incubation.

MM34 – NCTC® 13846 – Possesses the plasmid-mediated mcr-1 colistin resistance mechanism gene and is recommended by **PHE** and **EUCAST** as a control for tests to detect this increasingly prevalent resistance, in conjunction with NCTC® 12241 / ATCC® 25922 (Selectrol strain MM02) as a negative control.



#### ***Haemophilus influenzae* strains:**

MM81 - NCTC® 12699 / ATCC® 49247 – is a 'BLNAR' strain – (beta-lactamase non-producing ampicillin / amoxycillin resistant). These strains are important clinically because the susceptibility results obtained using conventional testing procedures maybe misleading in the case cephalosporins. **PHE**, **CLSI** recommended QC strain for susceptibility testing media.

MM98 – NCTC® 11931 – a fully sensitive strain. **PHE** recommended strain for porphyrin synthesis test, chocolate agar control.

MM100 – NCTC® 8468 / ATCC® 9334 / CCUG 23946 – another fully sensitive strain, which reportedly gives results which are easier to interpret when Mueller-Hinton medium is used in preference to Iso-Sensitest medium. MIC for amoxycillin is 0.5 mg/l.

MM37 – NCTC® 12975 / ATCC® 49766 – recommended by **EUCAST**.

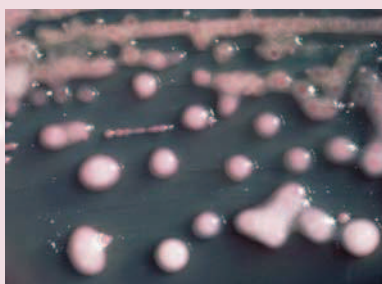


#### ***Klebsiella* strains:**

MM04 *Klebsiella pneumoniae* – NCTC® 9633 / ATCC® 13883 / WDCM 00097 – type strain. Two colony types may be seen. The predominant type is entire and opaque. The secondary type is slightly smaller and translucent.

MM83 *Klebsiella pneumoniae* – NCTC® 13368 / ATCC® 700603 – ESBL-producing strain used as control for ESBL testing. There are two colony types.

MM55 *Klebsiella pneumoniae* – NCTC® 13440 – CRE testing control; produces a Class B VIM-1 Carbapenemase.



MM56 *Klebsiella pneumoniae* – NCTC® 13443 – CRE testing control; produces a Class B NDM-1 Carbapenemase.

MM58 *Klebsiella pneumoniae* – NCTC® 13438 – CRE testing control; produces a Class A KPC-3 Carbapenemase.

MM59 *Klebsiella pneumoniae* – NCTC® 13442 – CRE testing control; produces a Class D OXA-48 Carbapenemase.

MM88 *Klebsiella aerogenes* (*Raoultella planticola*) – NCTC® 9528 – used in water / pharmaceutical industry. **PHE** recommended negative control for Tryptone Bile X-Glucuronide agar and Yeast Extract agar.



***Lactobacillus brevis:***

MM76 – NCTC® 13386 / ATCC® 8287 – used in food industry.

***Legionella pneumophila* serogroup 1:**

MM08 – NCTC® 11192 / ATCC® 33152 / WDCM 00107 – derived from strain isolated from first recognised outbreak of legionellosis in Philadelphia at the Legionnaires' Convention 1976

***Listeria innocua:***

MM92 – NCTC® 11288 / ATCC® 33090 / WDCM 00017 – type strain. Non-pathogenic.

***Listeria monocytogenes:***

MM87 – NCTC® 11994 / WDCM 00019 – type strain, **PHE** recommended positive control strain for *Listeria* detection in food. Serotype 4b, most common serovar isolated from human infections.

MM48 – NCTC® 7973 / ATCC® 35152 / WDCM 00109 – produces 2 phenotypes, one is beta-haemolytic and virulent, the other non-haemolytic and non-virulent. Serovar 1/2a.

MM77 – NCTC® 13372 / ATCC® 7644 – used in food microbiology Q.C. Colonies exhibit beta-haemolysis on sheep blood agar.

***Neisseria gonorrhoeae:***

MM96 – NCTC® 12700 / ATCC® 49226 – has low-level, but clinically relevant, resistance to penicillin – MIC of penicillin is 0.5 mg/l. **PHE** recommended control for susceptibility testing – methodology assesses the ability of testing to detect resistance rather than sensitivity; this strain has low-level, but clinically relevant, resistance to penicillin – MIC of penicillin is 0.5 mg/l. Some variation in size and texture of colonies may be observed. Increased CO<sub>2</sub> is helpful in growth.

MM05 – NCTC® 8375 / ATCC® 19424 – is fully sensitive – MIC of penicillin is 0.06 mg/l. **PHE** recommended strain for media QC.

***Proteus mirabilis:***

MM43 – NCTC® 13376 / ATCC® 14153 – pharmaceutical / disinfectant / media control.

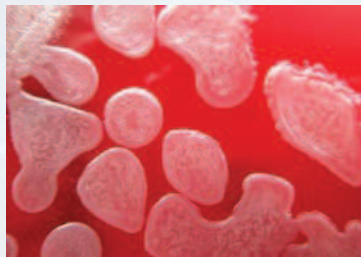
MM68 – NCTC® 10975 – media control. **PHE** recommended control for motility test.

#### ***Proteus vulgaris:***

MM09 – NCTC® 4175 / ATCC® 13315 – was the type strain, but is atypical and has been recognised as a separate species – *Proteus hauseri* – it is used for media control. Colonies are glistening with spreading edges.

#### ***Pseudomonas aeruginosa* strains:**

MM10 – NCTC® 12903 / ATCC® 27853 / WDCM 00025 – is fully sensitive to anti-pseudomonal antibiotics (EUCAST susceptibility test control). 2 colony types may be observed: A) predominantly flat, spreading edges and rough surface; B) small and compact. Produces both fluorescein and pyocyanin pigments.



MM65 – NCTC® 10662 / ATCC® 25668 / WDCM 00114 – is fully sensitive. PHE recommended control strain for media control

MM40 – NCTC® 12924 / ATCC® 9027 / WDCM 00026 – used in water industry / disinfectant testing. Colonies on agar plates are entire, glistening and mucoid with a grainy surface. This strain also produces both fluorescein and pyocyanin pigments.

MM41 – NCTC® 13359 / ATCC® 15442 – used in water industry / disinfectant testing. May produce up to 3 different colony types. Pyocyanin is not produced.

#### ***Rhodococcus equi:***

MM97 – NCTC® 1621 / ATCC® 6939 / WDCM 00028 – type strain.

#### ***Saccharomyces cerevisiae:***

MM73 – NCPF® 3178 – PHE recommended strain for food testing and enumeration of yeasts and moulds.

MM50 — NCTC® 10716 / WDCM 00058 – used for QC of culture media and for antifungal susceptibility testing.

#### ***Salmonella* serotypes:**

MM11 *Salmonella* Typhimurium – NCTC® 12023 / ATCC® 14028 / WDCM 00031 – (1,4,5,12: i: 1,2) Used for media/test QC. This is a common serotype from animals and from human infections.

The strains listed below are unusual serotypes, used to avoid any chance of confusion with strains commonly found in animals, food, etc, and are used to control media and detection methods in the food industry:

MM89 *Salmonella* Poona – NCTC® 4840 – (13,22: z: 1,6) PHE recommended control strain for food testing.

MM84 *Salmonella* Nottingham – NCTC® 7832 – (16: d: e,n,z15) PHE recommended control for water testing.

#### ***Serratia marcescens:***

MM12 – NCTC® 13382 / ATCC® 8100 – used for disinfectant testing. PHE recommended negative control for indole test. Colonies are entire, glistening, smooth and translucent. Non-pigmented.



### ***Staphylococcus aureus*:**

#### **(A) Fully sensitive:**

MM85 – NCTC® 6571 / ATCC® 9144 / WDCM 00035 – historically used for susceptibility testing ('Oxford staph'), but largely superseded by MM13 as it has unusually low MIC's and so is unrepresentative of normal range of *Staph aureus* strains. Sensitive to penicillin and cefoxitin / methicillin / oxacillin. **PHE** recommended coagulase, DNase and catalase positive control.

MM13 – NCTC® 12981 / ATCC® 25923 / WDCM 00034 – used in susceptibility and media testing/QC. Fully sensitive to all anti-staphylococcal antibiotics (including penicillin and methicillin / oxacillin). It is preferable to maintain cultures on agar as passage in broth can result in a change in MIC levels. Colonies are circular white to cream, convex to flat in elevation. After 48 hours incubation a few grey/translucent variants may be noted. Beta-haemolytic on sheep blood agar.

#### **B) Penicillin resistant:**

MM14 – NCTC® 12973 / ATCC® 29213 / WDCM 00131 – used for susceptibility testing, especially for automated methodology. **EUCAST**, **CLSI** strain. Sensitive to cefoxitin / methicillin / oxacillin. Penicillin resistant – weak beta-lactamase producer. Colonies are beta-haemolytic, and a golden-orange colour.

MM30 – NCTC® 7447 / ATCC® 6538P / WDCM 00033 – used for susceptibility testing/antibiotic assay, disinfectant testing. Cefoxitin / methicillin / oxacillin sensitive. Penicillin resistant. Colonies are weakly beta-haemolytic, coagulase positive and beta-lactamase negative.

#### **(C) MRSA (cefoxitin / methicillin / oxacillin resistant):**

MM91 – NCTC® 13373 / ATCC® 43300 / WDCM 00211 (MRSA) – Possesses *mecA* gene but is hetero-resistant, (so as few as one per thousand cells demonstrate the resistance) and consequently has low-level cefoxitin / oxacillin / methicillin resistance (4.0 mg/l MIC of oxacillin, 8.0 mg/l MIC of cefoxitin – methicillin sensitive strains have MIC of 0.12-0.5 for oxacillin and 1-4 for cefoxitin.); it is used to confirm testing procedures for methicillin resistance are working and provides a more stringent test than testing with an MRSA which shows homogeneous resistance and has a much higher MIC. This organism will have a zone of inhibition reduced in size compared to a fully cefoxitin / oxacillin / methicillin sensitive strain (such as MM13). **CLSI** recommended strain for MRSA testing. There are two colony types: 1) Beta-haemolytic with a slight yellow tint. 2) Non-haemolytic and white.

MM64 – NCTC® 12493 / WDCM 00212 (MRSA) – possesses *mecA* gene and shows homogeneous resistance with MIC of >64 for methicillin, which produces high-level cefoxitin / methicillin / oxacillin resistance. **EUCAST** recommended strain. Instances have been reported where loss of the *mecA* gene has occurred during storage.

#### **D) Other:**

MM46 – NCTC® 10788 / ATCC® 6538 / WDCM 00032 – used in pharmaceutical industry for testing disinfectants etc. Usually yellow pigmented colonies, or can produce a white colonial variant. Beta-haemolytic.



***Staphylococcus epidermidis:***

MM15 – NCTC® 13360 / ATCC® 12228 / WDCM 00036 – used for media control / antibiotic assay. Colonies are small and beta-haemolytic.

***Streptococcus agalactiae:*** (Beta-haemolytic Streptococcus group B)

MM16 – NCTC® 8181 / ATCC® 13813 – type strain, used for QC. **PHE** recommended negative control for aesculin test.

***Streptococcus pneumoniae* strains:**

MM95 – NCTC® 12977 / ATCC® 49619 – has low-level, but clinically relevant, resistance to penicillin – this organism is used to assess detection of resistance rather than sensitivity. **PHE** recommended positive control for bile solubility test. **CLSI, EUCAST** recommended control strain for susceptibility testing. Serotype 19F.

MM19 – NCTC® 12695 / ATCC® 6303 – is fully sensitive. Colonies are mucoid and alpha-haemolytic. A few colonies may have an irregular edge. Serotype 3.



***Streptococcus pyogenes:***

MM20 – NCTC® 12696 / ATCC® 19615 – used for QC and media testing. Lancefield group A, beta-haemolytic. **PHE** recommended blood agar control.

***Vibrio parahaemolyticus:***

MM06 – NCTC® 10885 / WDCM 00185 – used for QC of media and ID testing. **PHE** recommended strain used mainly in the food industry.

***Yersinia enterocolitica:***

MM80 – NCTC® 12982 / ATCC® 9610 / WDCM 00038 – type strain, used for media control. Serotype O:8, which is a pathogenic serotype, commonest in USA.

**References:**

- 1 European Committee on Antimicrobial Susceptibility Testing (EUCAST). Routine and Extended Internal Quality Control for MIC Determination and Disc Diffusion. Version 7.0 - 01.01.2017.
- 2 UK Standards for Microbiology Investigations. Example Reference Strains for Microbiology Investigations Test Procedures: Bacteriology—Test Procedures | TP 1 | Issue No. 2 | 05.01.2015. Public Health England (PHE).
- 3 Performance Standards for Antimicrobial Disc Susceptibility Tests: Approved Standard—11th Edition. Clinical and Laboratory Standards Institute (CLSI).

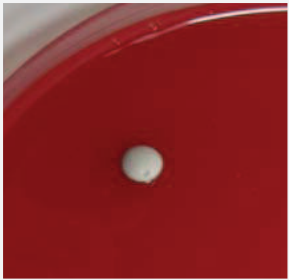


## How to use Selectrol®

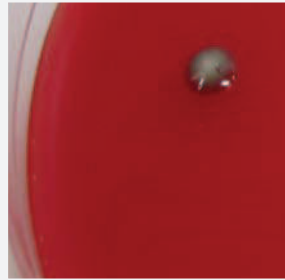
Always warm the vial to ambient temperature before opening.

Be sure to use non-selective culture media to revive the organisms.

For the more fastidious organisms, such as anaerobes, it is generally better to use agar rather than broth for revival.



Place disc on suitable growth medium such as blood agar



Leave disc for a few minutes to liquefy, then spread plate and incubate to produce isolated colonies



Obtain a stock culture which can be used to prepare an inoculum for biochemical and antibiotic susceptibility tests



Place disc in a small volume of a suitable broth medium such as brain-heart infusion



Allow disc a few minutes to dissolve, then spread aliquot onto a plate of suitable growth medium



## Out-of-specification results

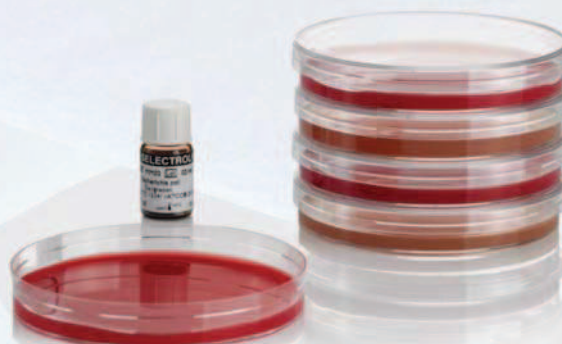
Laboratories use Selectrol® for Quality Control of culture media, biochemical identification tests and antimicrobial susceptibility testing. When a laboratory test result, an MIC or biochemical reaction, is unexpected or out-of-specification, the test should first be repeated to confirm it; an out-of-specification result is an indication that the testing procedure should be reviewed; it is not, in the first instance, a sign of a problem with the control organism.

If incorrect results are obtained on retesting, the explanation could be:

- The test procedure was not followed correctly – check standard operating procedures
- There is an instrumentation error – check calibration, mechanical functioning, etc
- There is a problem with the consumables – out of date, incorrect storage, etc
- The culture of the control organism has become contaminated

### Technical Support

If no explanation for out-of-spec results can be found, but repeated tests still give unacceptable results, please contact TCS and / or your relevant reference laboratory or instrument manufacturer for advice. For example, contact AMRHAI at Colindale, London if MIC results are consistently outside the acceptable range. Please retain any remaining discs of organisms about which you have concerns so they can be returned to TCS and investigated alongside retained samples.



## Preparing QC and Validation Spikes from Selectrol®

### Preparing the spike

- Place a Selectrol® disc in Brain Heart Infusion (BHI) broth\* or equivalent, and culture (typically for 18 hours) at the appropriate temperature for the organism (typically 37°C)
- Assume the count in the broth to be  $10^8$  organisms per ml ----- (A)
- Mix and transfer 100 µl of (A) to 100 ml of saline or ¼ strength Ringer's solution -- (B)
- Mix and transfer 100 µl of (B) to 10 ml of saline or ¼ strength Ringer's solution --- (C)
- Mix and transfer 100 µl of (C) to your homogenised food sample.

### Verifying the inoculum

- Pipette 5 x 10 µl drops from (C) onto each of two agar plates for Miles and Misra counts.

### Using the assumptions and dilutions above:

- (A) contains  $10^8$  organisms per ml
- (B) contains  $10^5$  organisms per ml
- (C) contains  $10^3$  organisms per ml

### If the Miles and Misra counts indicate that the required count was not achieved:

- If the count was too high by a factor of 10, reduce the volume transferred from (A) to (B) from 100 µl to 10 µl
- If the count was too low by a factor of 10, increase the volume transferred from (A) to (B) from 100 µl to 1 ml.

Keep a record of the correct dilutions for each organism type for future use. You will find that this method is very repeatable.

\*Note: BHI broth will work for most of the Selectrol® organisms; however, for fastidious organisms an appropriate culture broth must be selected, e.g. Fastidious Anaerobe Broth for strictly anaerobic organisms.





## Culture Collections

Cultures of microorganisms have been deposited and subsequently maintained in 589 collections in 68 countries, and many of the cultures are derived from the same original isolate; the history of each organism, its properties and names of the culture collections which hold it are detailed in the relevant catalogues and websites.

Some of the organisms have been selected and recommended by expert organisations to be supplied as controls for microbiological tests, and when the identical cultures are present in more than one collection they will have a specific designation for each, incorporating the abbreviation for the collection and a reference number.

For example:- *Staphylococcus aureus* NCTC 7447, widely recommended as a control for antimicrobial susceptibility testing, is held in 30 collections, and consequently the phenotypically and genotypically identical organism has 30 different references, such as ATCC 6538P, CIP 53.156, DSM 346 and so on.

In an effort to minimise potential confusion and help users find local sources of reference strains, the WFCC and the WDCM initiated a system that ascribes each recommended QC strain a reference number (WDCM 00001 onwards), cites all collections that contain it and provides contact details and each collection's unique reference. For example, the strain of *Staphylococcus aureus* NCTC 7447 (Selectrol® strain MM33) mentioned above is designated WDCM 00033.

### ***Staphylococcus aureus* WDCM 00033**

AHU 1142; **ATCC™ 6538P**; BCRC 10451 ; BTCC 209P; BU 395; CCM 2022; CCTM 596; CCUG 1828; CECT 240; CIP 53.156; CN 3784; CNCTC Mau 28/58; DSM 346; FIRDI 451; IAM 1011; IAM 12082; IEM Mau 28/58; IFO 12732; IFO 3061; IID 671; IMET 10904; JCM 2151; LMG 8195; NCIMB 8625; **NCTC 7447**; NRRL B-313; OUT 8232; PCI 1209; PZH 8/54; RIMD 3109007; VNIIA 209P;

Products derived from the cultures in the collections should be manufactured using the minimum number of sub-cultures, to minimise the possibility of alterations to the phenotype due to mutations. Ideally, as in the case of **Selectrol®**, a single sub-culture only is used, so the **Selectrol®** product is a 'first generation derivative' of a culture supplied by NCTC, and will be identical with regard to its properties and suitability for use in QC applications to a culture of the particular organism obtained from any of the other WDCM listed culture collections.

---

Every effort has been made to ensure the accuracy of the information in this document, however TCS makes no warranties, expressed or implied, regarding errors or omissions and assumes no legal liability or responsibility for loss or damage resulting from the use of information contained within.

# Selectrol Strain Index

| Strain Name                                  | Designation                                        | Code  | WDCM  |
|----------------------------------------------|----------------------------------------------------|-------|-------|
| <i>Aspergillus brasiliensis</i>              | NCPF <sup>®</sup> 2275 / ATCC <sup>®</sup> 16404   | MM94  | 00053 |
| <i>Bacillus cereus</i>                       | NCTC <sup>®</sup> 10320 / ATCC <sup>®</sup> 9634   | MM21  | 00001 |
| <i>Bacillus cereus</i>                       | NCTC <sup>®</sup> 7464 / ATCC <sup>®</sup> 10876   | MM86  |       |
| <i>Bacillus subtilis</i>                     | NCTC <sup>®</sup> 10400 / ATCC <sup>®</sup> 6633   | MM29  | 00003 |
| <i>Bacteroides fragilis</i>                  | NCTC <sup>®</sup> 9343 / ATCC <sup>®</sup> 25285   | MM44  |       |
| <i>Campylobacter jejuni</i>                  | NCTC <sup>®</sup> 11351 / ATCC <sup>®</sup> 33560  | MM36  |       |
| <i>Campylobacter jejuni</i>                  | NCTC <sup>®</sup> 11322 / ATCC <sup>®</sup> 29428  | MM82  | 00156 |
| <i>Candida albicans</i>                      | NCPF <sup>®</sup> 3255 / ATCC <sup>®</sup> 2091    | MM28  | 00055 |
| <i>Candida albicans</i>                      | NCPF <sup>®</sup> 3179 / ATCC <sup>®</sup> 10231   | MM42  | 00054 |
| <i>Citrobacter freundii</i>                  | NCTC <sup>®</sup> 9750 / ATCC <sup>®</sup> 8090    | MM27  |       |
| <i>Clostridium perfringens</i>               | NCTC <sup>®</sup> 8237 / ATCC <sup>®</sup> 13124   | MM45  | 00007 |
| <i>Clostridium sporogenes</i>                | NCTC <sup>®</sup> 532 / ATCC <sup>®</sup> 19404    | MM31  | 00008 |
| <i>Enterobacter aerogenes</i>                | NCTC <sup>®</sup> 10006 / ATCC <sup>®</sup> 13048  | MM26  | 00175 |
| <i>Enterobacter cloacae</i>                  | NCTC <sup>®</sup> 13380 / ATCC <sup>®</sup> 23355  | MM01  | 00082 |
| <i>Enterobacter cloacae</i>                  | NCTC <sup>®</sup> 13406                            | MM51  |       |
| <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 775 / ATCC <sup>®</sup> 19433    | MM17  | 00009 |
| <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 12697 / ATCC <sup>®</sup> 29212  | MM18  | 00087 |
| <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 13379 / ATCC <sup>®</sup> 51299  | MM52  | 00085 |
| <i>Enterococcus hirae</i>                    | NCTC <sup>®</sup> 13383 / ATCC <sup>®</sup> 10541  | MM35  | 00011 |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 12241 / ATCC <sup>®</sup> 25922  | MM02  | 00013 |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 11954 / ATCC <sup>®</sup> 35218  | MM24  |       |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 10418 / ATCC <sup>®</sup> 10536  | MM33  |       |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 12923 / ATCC <sup>®</sup> 8739   | MM38  | 00012 |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 11560                            | MM63  |       |
| <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 9001 / ATCC <sup>®</sup> 11775   | MM75  | 00090 |
| <i>Escherichia coli</i> CRE                  | NCTC <sup>®</sup> 13476                            | MM57  |       |
| <i>Escherichia coli</i> (mcr-1)              | NCTC <sup>®</sup> 13846                            | MM34  |       |
| <i>Escherichia coli</i> O157 (non-toxigenic) | NCTC <sup>®</sup> 12900 / ATCC <sup>®</sup> 700728 | MM93  | 00014 |
| <i>Haemophilus influenzae</i>                | NCTC <sup>®</sup> 8468 / ATCC <sup>®</sup> 9334    | MM100 |       |
| <i>Haemophilus influenzae</i>                | NCTC <sup>®</sup> 12975 / ATCC <sup>®</sup> 49766  | MM37  |       |
| <i>Haemophilus influenzae</i>                | NCTC <sup>®</sup> 12699 / ATCC <sup>®</sup> 49247  | MM81  |       |
| <i>Haemophilus influenzae</i>                | NCTC <sup>®</sup> 11931                            | MM98  |       |
| <i>Klebsiella aerogenes</i>                  | NCTC <sup>®</sup> 9528                             | MM88  |       |
| <i>Klebsiella pneumoniae</i>                 | NCTC <sup>®</sup> 9633 / ATCC <sup>®</sup> 13883   | MM04  | 00097 |
| <i>Klebsiella pneumoniae</i>                 | NCTC <sup>®</sup> 13368 / ATCC <sup>®</sup> 700603 | MM83  |       |
| <i>Klebsiella pneumoniae</i> CRE             | NCTC <sup>®</sup> 13440                            | MM55  |       |
| <i>Klebsiella pneumoniae</i> CRE             | NCTC <sup>®</sup> 13443                            | MM56  |       |
| <i>Klebsiella pneumoniae</i> CRE             | NCTC <sup>®</sup> 13438                            | MM58  |       |

# Selectrol Strain Index

| Strain Name                               | Designation                                       | Code | WDCM  |
|-------------------------------------------|---------------------------------------------------|------|-------|
| <i>Klebsiella pneumoniae</i> CRE          | NCTC <sup>®</sup> 13442                           | MM59 |       |
| <i>Lactobacillus brevis</i>               | NCTC <sup>®</sup> 13386 / ATCC <sup>®</sup> 8287  | MM76 |       |
| <i>Legionella pneumophila</i> serogroup 1 | NCTC <sup>®</sup> 11192 / ATCC <sup>®</sup> 33152 | MM08 | 00107 |
| <i>Listeria innocua</i>                   | NCTC <sup>®</sup> 11288 / ATCC <sup>®</sup> 33090 | MM92 | 00017 |
| <i>Listeria monocytogenes</i>             | NCTC <sup>®</sup> 7973 / ATCC <sup>®</sup> 35152  | MM48 | 00109 |
| <i>Listeria monocytogenes</i>             | NCTC <sup>®</sup> 13372 ATCC <sup>®</sup> 7644    | MM77 |       |
| <i>Listeria monocytogenes</i>             | NCTC <sup>®</sup> 11994                           | MM87 | 00019 |
| <i>Neisseria gonorrhoeae</i>              | NCTC <sup>®</sup> 8375 / ATCC <sup>®</sup> 19424  | MM05 |       |
| <i>Neisseria gonorrhoeae</i>              | NCTC <sup>®</sup> 12700 / ATCC <sup>®</sup> 49226 | MM96 |       |
| <i>Proteus mirabilis</i>                  | NCTC <sup>®</sup> 13376 / ATCC <sup>®</sup> 14153 | MM43 |       |
| <i>Proteus mirabilis</i>                  | NCTC <sup>®</sup> 10975                           | MM68 |       |
| <i>Proteus vulgaris</i>                   | NCTC <sup>®</sup> 4175 / ATCC <sup>®</sup> 13315  | MM09 |       |
| <i>Pseudomonas aeruginosa</i>             | NCTC <sup>®</sup> 12903 / ATCC <sup>®</sup> 27853 | MM10 | 00025 |
| <i>Pseudomonas aeruginosa</i>             | NCTC <sup>®</sup> 12924 / ATCC <sup>®</sup> 9027  | MM40 | 00026 |
| <i>Pseudomonas aeruginosa</i>             | NCTC <sup>®</sup> 13359 / ATCC <sup>®</sup> 15442 | MM41 |       |
| <i>Pseudomonas aeruginosa</i>             | NCTC <sup>®</sup> 10662 / ATCC <sup>®</sup> 25668 | MM65 | 00114 |
| <i>Rhodococcus equi</i>                   | NCTC <sup>®</sup> 1621 / ATCC <sup>®</sup> 6939   | MM97 | 00028 |
| <i>Saccharomyces cerevisiae</i>           | NCTC <sup>®</sup> 10716/ ATCC <sup>®</sup> 9763   | MM50 | 00058 |
| <i>Saccharomyces cerevisiae</i>           | NCPF <sup>®</sup> 3178                            | MM73 |       |
| <i>Salmonella</i> Nottingham              | NCTC <sup>®</sup> 7832                            | MM84 |       |
| <i>Salmonella</i> Poona                   | NCTC <sup>®</sup> 4840                            | MM89 |       |
| <i>Salmonella</i> Typhimurium             | NCTC <sup>®</sup> 12023/ ATCC <sup>®</sup> 14028  | MM11 | 00031 |
| <i>Serratia marcescens</i>                | NCTC <sup>®</sup> 13382 / ATCC <sup>®</sup> 8100  | MM12 |       |
| <i>Staphylococcus aureus</i>              | NCTC <sup>®</sup> 12981 / ATCC <sup>®</sup> 25923 | MM13 | 00034 |
| <i>Staphylococcus aureus</i>              | NCTC <sup>®</sup> 12973 / ATCC <sup>®</sup> 29213 | MM14 | 00131 |
| <i>Staphylococcus aureus</i>              | NCTC <sup>®</sup> 7447 / ATCC <sup>®</sup> 6538P  | MM30 | 00033 |
| <i>Staphylococcus aureus</i>              | NCTC <sup>®</sup> 10788 / ATCC <sup>®</sup> 6538  | MM46 | 00032 |
| <i>Staphylococcus aureus</i>              | NCTC <sup>®</sup> 6571 / ATCC <sup>®</sup> 9144   | MM85 | 00035 |
| <i>Staphylococcus aureus</i> (MRSA)       | NCTC <sup>®</sup> 12493                           | MM64 | 00212 |
| <i>Staphylococcus aureus</i> (MRSA)       | NCTC <sup>®</sup> 13373 / ATCC <sup>®</sup> 43300 | MM91 | 00211 |
| <i>Staphylococcus epidermidis</i>         | NCTC <sup>®</sup> 13360 / ATCC <sup>®</sup> 12228 | MM15 | 00036 |
| <i>Streptococcus agalactiae</i>           | NCTC <sup>®</sup> 8181 / ATCC <sup>®</sup> 13813  | MM16 |       |
| <i>Streptococcus pneumoniae</i>           | NCTC <sup>®</sup> 12695 / ATCC <sup>®</sup> 6303  | MM19 |       |
| <i>Streptococcus pneumoniae</i>           | NCTC <sup>®</sup> 12977 / ATCC <sup>®</sup> 49619 | MM95 |       |
| <i>Streptococcus pyogenes</i>             | NCTC <sup>®</sup> 12696 / ATCC <sup>®</sup> 19615 | MM20 |       |
| <i>Vibrio parahaemolyticus</i>            | NCTC <sup>®</sup> 10885                           | MM06 | 00185 |
| <i>Yersinia enterocolitica</i>            | NCTC <sup>®</sup> 12982 / ATCC <sup>®</sup> 9610  | MM80 | 00038 |



# Selectrol Strains Listed by WDCM Number

| WDCM  | Strain Name                                  | Designation                                        | Code |
|-------|----------------------------------------------|----------------------------------------------------|------|
| 00001 | <i>Bacillus cereus</i>                       | NCTC <sup>®</sup> 10320 / ATCC <sup>®</sup> 9634   | MM21 |
| 00003 | <i>Bacillus subtilis</i>                     | NCTC <sup>®</sup> 10400 / ATCC <sup>®</sup> 6633   | MM29 |
| 00007 | <i>Clostridium perfringens</i>               | NCTC <sup>®</sup> 8237 / ATCC <sup>®</sup> 13124   | MM45 |
| 00008 | <i>Clostridium sporogenes</i>                | NCTC <sup>®</sup> 532 / ATCC <sup>®</sup> 19404    | MM31 |
| 00009 | <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 775 / ATCC <sup>®</sup> 19433    | MM17 |
| 00011 | <i>Enterococcus hirae</i>                    | NCTC <sup>®</sup> 13383 / ATCC <sup>®</sup> 10541  | MM35 |
| 00012 | <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 12923 / ATCC <sup>®</sup> 8739   | MM38 |
| 00013 | <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 12241 / ATCC <sup>®</sup> 25922  | MM02 |
| 00014 | <i>Escherichia coli</i> O157 (non-toxigenic) | NCTC <sup>®</sup> 12900 / ATCC <sup>®</sup> 700728 | MM93 |
| 00017 | <i>Listeria innocua</i>                      | NCTC <sup>®</sup> 11288 / ATCC <sup>®</sup> 33090  | MM92 |
| 00019 | <i>Listeria monocytogenes</i>                | NCTC <sup>®</sup> 11994                            | MM87 |
| 00025 | <i>Pseudomonas aeruginosa</i>                | NCTC <sup>®</sup> 12903 / ATCC <sup>®</sup> 27853  | MM10 |
| 00026 | <i>Pseudomonas aeruginosa</i>                | NCTC <sup>®</sup> 12924 / ATCC <sup>®</sup> 9027   | MM40 |
| 00028 | <i>Rhodococcus equi</i>                      | NCTC <sup>®</sup> 1621 / ATCC <sup>®</sup> 6939    | MM97 |
| 00031 | <i>Salmonella</i> Typhimurium                | NCTC <sup>®</sup> 12023 / ATCC <sup>®</sup> 14028  | MM11 |
| 00032 | <i>Staphylococcus aureus</i>                 | NCTC <sup>®</sup> 10788 / ATCC <sup>®</sup> 6538   | MM46 |
| 00033 | <i>Staphylococcus aureus</i>                 | NCTC <sup>®</sup> 7447 / ATCC <sup>®</sup> 6538P   | MM30 |
| 00034 | <i>Staphylococcus aureus</i>                 | NCTC <sup>®</sup> 12981 / ATCC <sup>®</sup> 25923  | MM13 |
| 00035 | <i>Staphylococcus aureus</i>                 | NCTC <sup>®</sup> 6571 / ATCC <sup>®</sup> 9144    | MM85 |
| 00036 | <i>Staphylococcus epidermidis</i>            | NCTC <sup>®</sup> 13360 / ATCC <sup>®</sup> 12228  | MM15 |
| 00038 | <i>Yersinia enterocolitica</i>               | NCTC <sup>®</sup> 12982 / ATCC <sup>®</sup> 9610   | MM80 |
| 00053 | <i>Aspergillus brasiliensis</i>              | NCPF <sup>®</sup> 2275 / ATCC <sup>®</sup> 16404   | MM94 |
| 00054 | <i>Candida albicans</i>                      | NCPF <sup>®</sup> 3179 / ATCC <sup>®</sup> 10231   | MM42 |
| 00055 | <i>Candida albicans</i>                      | NCPF <sup>®</sup> 3255 / ATCC <sup>®</sup> 2091    | MM28 |
| 00058 | <i>Saccharomyces cerevisiae</i>              | NCTC <sup>®</sup> 10716 / ATCC <sup>®</sup> 9763   | MM50 |
| 00082 | <i>Enterobacter cloacae</i>                  | NCTC <sup>®</sup> 13380 / ATCC <sup>®</sup> 23355  | MM01 |
| 00085 | <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 13379 / ATCC <sup>®</sup> 51299  | MM52 |
| 00087 | <i>Enterococcus faecalis</i>                 | NCTC <sup>®</sup> 12697 / ATCC <sup>®</sup> 29212  | MM18 |
| 00090 | <i>Escherichia coli</i>                      | NCTC <sup>®</sup> 9001 / ATCC <sup>®</sup> 11775   | MM75 |
| 00097 | <i>Klebsiella pneumoniae</i>                 | NCTC <sup>®</sup> 9633 / ATCC <sup>®</sup> 13883   | MM04 |
| 00107 | <i>Legionella pneumophila</i> serogroup 1    | NCTC <sup>®</sup> 11192 / ATCC <sup>®</sup> 33152  | MM08 |
| 00109 | <i>Listeria monocytogenes</i>                | NCTC <sup>®</sup> 7973 / ATCC <sup>®</sup> 35152   | MM48 |
| 00114 | <i>Pseudomonas aeruginosa</i>                | NCTC <sup>®</sup> 10662 / ATCC <sup>®</sup> 25668  | MM65 |
| 00131 | <i>Staphylococcus aureus</i>                 | NCTC <sup>®</sup> 12973 / ATCC <sup>®</sup> 29213  | MM14 |
| 00156 | <i>Campylobacter jejuni</i>                  | NCTC <sup>®</sup> 11322 / ATCC <sup>®</sup> 29428  | MM82 |
| 00175 | <i>Enterobacter aerogenes</i>                | NCTC <sup>®</sup> 10006 / ATCC <sup>®</sup> 13048  | MM26 |
| 00185 | <i>Vibrio parahaemolyticus</i>               | NCTC <sup>®</sup> 10885                            | MM06 |
| 00211 | <i>Staphylococcus aureus</i> (MRSA)          | NCTC <sup>®</sup> 13373 / ATCC <sup>®</sup> 43300  | MM91 |
| 00212 | <i>Staphylococcus aureus</i> (MRSA)          | NCTC <sup>®</sup> 12493                            | MM64 |

## Notes







[www.tcsbiosciences.co.uk](http://www.tcsbiosciences.co.uk)



**TCS Biosciences Ltd**

Botolph Claydon, Buckingham, MK18 2LR, United Kingdom

t: +44 (0) 1296 714222, f: +44 (0) 1296 714806, e: [sales@tcsgroup.co.uk](mailto:sales@tcsgroup.co.uk)



ТОВ «ХЕМА» код ЄДРПОУ 36038442  
Адреса 03179, м. Київ, вул. Академіка Єфремова, 23  
Для кореспонденції: 03179, а/с 49  
З питань замовлення продукції: 050-422-62-16, 067-422-62-16  
Тел.: +38 (095) 60-99-555 Факс: +38 (044) 422-62-16  
e-mail: info@xema.com.ua  
www.xema.in.ua

## STATEMENT

We, XEMA LLC, as a manufacturer of in vitro diagnostic medical devices, having a registered office at Akademika Yefremova St. 23, Kyiv, Ukraine assign SRL SANMEDICO having a registered office at A. Corobceanu Street 7A, apt. 9, Chişinău MD-2012, Moldova, as authorized representative in correspondence with legislative requirements of the Republic of Moldova.

We declare that the company mentioned above is authorized to register, notify, renew, or modify the registration of medical devices on the territory of the Republic of Moldova.

This Statement shall come into force on the date of its signing. The duration of this Statement is 3 years from the date of signing.

Date: 06.09.2023

Signature:

*Director Xema LLC*  
*Oleksandra Zavaliei*





# Certificate

## Of Marketing Authorization of Medical Product

within Germany, the member states of the European Union  
and the other states having a contractual agreement with the European Economic Area

Nr. **AR/IVD/XEMA LLC/01/2023**

Issued on the basis of the Declaration of conformity and registration taking into account Article 11 of Regulation (EU) 2017/746 (IVDR) on In Vitro Diagnostic, and Medical Device Implementing Act (MPDG)

Ausgestellt auf Grund der Konformitätserklärung und Registrierung unter Berücksichtigung der der Verordnung (EU) 2017/746 (IVDR) über In-vitro-Diagnostika und Medizinprodukte-Durchführungsgesetz (MPDG)

Manufacturer / Hersteller

**XEMA LLC**

**SRN: UA-MF-000032959**

UKRAINE, 03179 KYIV  
Akademika Yefremova St. 23  
qa@xema.com.ua; www.xema.in.ua

Product name / Produkt

**See annex to the Certificate**

Siehe Anhang zum Zertifikat

Product Classification:  
Produktklassifizierung

**In Vitro Diagnostic Medical Devices**

In-vitro-Diagnostikum (IVD) Medizinprodukte

Category:  
Kategorie

**Common/ Other IVD**

Sonstige IVD-Produkte

Conformity assessment procedure:  
Konformitätsbewertungsverfahren:

**EC DECLARATION OF CONFORMITY**  
**(Annex III, except point 6, Directive 98/79/EC)**  
**in connection with article 110(3) IVDR**

**EU- KONFORMITÄTSEKTLARUNG**

(Anhang III, außer Nummer 6, Richtlinie 98/79 / EG)  
in Verbindung mit Artikel 110 (3) IVDR

State Competent Authority:  
Staatliche Zuständige Behörde

**BfArM** Federal Institute for Drugs and Medical Devices  
DMIDS (German Medical Device Information and Database System)

**BfArM** Das Bundesinstitut für Arzneimittel und Medizinprodukte DMIDS  
(Deutsches Medizinprodukte-Informations- und Datenbanksystem)

Date of issue : **2023-03-07**  
Das Ausstellungsdatum

Valid to : **2025-05-31**  
Gültig bis

Represented in the EC by:

Polmed.de Beata Rozwadowska  
Fichtenstr. 12A, 90763 Fürth, Germany  
email: [info@polmed.de](mailto:info@polmed.de)  
Tel: +49 911 93163967



Polmed.de

**SRN: DE-AR-000006947**

### **Annex to the Certificate No.:**

Anhang zum Zertifikat Nr.:

**AR/IVD/XEMA LLC/01/2023**

The following medical devices can be placed on the market in the Federal Republic of Germany, in the member states of the European Economic Community (EEC) and in the other contract states of the agreement about the European Economic Area.

Die folgenden Medizinprodukte in der Bundesrepublik Deutschland, in den Mitgliedsstaaten der Europäischen Wirtschaftsgemeinschaft (EG) und in den Vertragsstaaten der EG in den Verkehr gebracht werden dürfen.

| #   | Nomenclature term<br>Nomenklaturbezeichnung         | Catalog No.<br>Katalog-Nr. | Name of device<br>Produktbezeichnung   | DMIDS<br>Registration number<br>Registriernummer |
|-----|-----------------------------------------------------|----------------------------|----------------------------------------|--------------------------------------------------|
| 1.  | ASPERGILLUS                                         | K021                       | GalMAg EIA                             | DE/CA64/00115824                                 |
| 2.  | HSV IgG                                             | K104                       | HSV 1/2 IgG EIA                        | DE/CA64/00115826                                 |
| 3.  | HSV IgM                                             | K104M                      | HSV 1, 2 IgM EIA                       | DE/CA64/00115833                                 |
| 4.  | HSV 2 IgG                                           | K104B                      | HSV 2 IgG EIA                          | DE/CA64/00115836                                 |
| 5.  | MYCOPLASMA ANTIBODY ASSAYS                          | K106                       | Mycoplasma IgG EIA                     | DE/CA64/00115837                                 |
| 6.  | SYPHILIS ANTIBODY ASSAYS TOTAL                      | K111                       | anti-Treponema pallidum EIA            | DE/CA64/00115839                                 |
| 7.  | SYPHILIS ANTIBODY IGG                               | K111G                      | Treponema pallidum IgG EIA             | DE/CA64/00115840                                 |
| 8.  | H. PYLORI ANTIBODY ASSAYS                           | K119G                      | Helicobacter pylori IgG EIA            | DE/CA64/00115850                                 |
| 9.  | OTHER OTHER BACTERIOLOGY<br>IMMUNOASSAY             | K126                       | Ureaplasma IgG EIA                     | DE/CA64/00115851                                 |
| 10. | THYROID PEROXIDASE<br>(INCL. MICROSOMAL) ANTIBODIES | K131                       | aTPO EIA                               | DE/CA64/00115852                                 |
| 11. | THYROGLOBULIN AUTOANTIBODIES                        | K132                       | aTG EIA                                | DE/CA64/00115853                                 |
| 12. | MPO ANCA                                            | K133                       | aMPO EIA                               | DE/CA64/00115854                                 |
| 13. | TISSUE TRANSGLUTAMINASE ANTIBODIES                  | K160<br>K161               | anti-TGlu IgG EIA<br>anti-TGlu IgA EIA | DE/CA64/00115855                                 |
| 14. | GIARDIA LAMBLIA                                     | K171                       | anti-Giardia lamblia EIA               | DE/CA64/00115856                                 |
| 15. | OTHER PARASITOLOGY                                  | K174                       | Ascaris IgG EIA                        | DE/CA64/00115857                                 |
| 16. | ECHINOCOCCUS                                        | K175                       | Echinococcus IgG EIA                   | DE/CA64/00115858                                 |
| 17. | DISTOMATOSIS                                        | K176                       | Opisthorchis IgG EIA                   | DE/CA64/00115859                                 |
| 18. | GLIADIN ANTIBODIES                                  | K180<br>K181               | Gliadin IgG EIA<br>Gliadin IgA EIA     | DE/CA64/00115860                                 |
| 19. | IMMUNOGLOBULIN E - TOTAL                            | K200                       | Total IgE EIA                          | DE/CA64/00115861                                 |
| 20. | THYROID STIMULATING HORMONE                         | K201                       | TSH EIA                                | DE/CA64/00115863                                 |
| 21. | LUTEINISING HORMONE                                 | K202                       | LH EIA                                 | DE/CA64/00115864                                 |
| 22. | FOLLICLE STIMULATING HORMONE                        | K203                       | FSH EIA                                | DE/CA64/00115865                                 |
| 23. | HUMAN GROWTH HORMONE                                | K204                       | GH EIA                                 | DE/CA64/00115866                                 |
| 24. | HUMAN CHORIONIC GONADOTROPIN TOTAL                  | K205                       | hCG EIA                                | DE/CA64/00115867                                 |
| 25. | PROLACTIN                                           | K206                       | Prolactin EIA                          | DE/CA64/00115868                                 |

The above-mentioned medical products are marked with the CE symbol.  
 Die oben genannten medizinischen Produkte sind mit dem CE-Zeichen gekennzeichnet.

### **Annex to the Certificate No.:**

Anhang zum Zertifikat Nr.:

**AR/IVD/XEMA LLC/01/2023**

The following medical devices can be placed on the market in the Federal Republic of Germany, in the member states of the European Economic Community (EEC) and in the other contract states of the agreement about the European Economic Area.

Die folgenden Medizinprodukte in der Bundesrepublik Deutschland, in den Mitgliedsstaaten der Europäischen Wirtschaftsgemeinschaft (EG) und in den Vertragsstaaten der EG in den Verkehr gebracht werden dürfen.

| #   | Nomenclature term<br>Nomenklaturbezeichnung       | Catalog No.<br>Katalog-Nr. | Name of device<br>Produktbezeichnung | DMIDS<br>Registration number<br>Registriernummer |
|-----|---------------------------------------------------|----------------------------|--------------------------------------|--------------------------------------------------|
| 26. | PROGESTERONE                                      | K207                       | Progesterone EIA                     | DE/CA64/00115869                                 |
| 27. | ESTRADIOL                                         | K208                       | Estradiol EIA                        | DE/CA64/00115870                                 |
| 28. | TESTOSTERONE (WITH DEHYDRO AND FREE TESTOSTERONE) | K209                       | Testosterone EIA                     | DE/CA64/00115871                                 |
| 29. | CORTISOL                                          | K210                       | Cortisol EIA                         | DE/CA64/00115872                                 |
| 30. | TRIIODOTHYRONINE                                  | K211                       | T3 EIA                               | DE/CA64/00115873                                 |
| 31. | THYROXINE                                         | K212                       | T4 EIA                               | DE/CA64/00115874                                 |
| 32. | FREE TRIIODOTHYRONINE                             | K213                       | ft3 EIA                              | DE/CA64/00115875                                 |
| 33. | FREE THYROXINE                                    | K214                       | ft4 EIA                              | DE/CA64/00115876                                 |
| 34. | DEHYDRO-EPIANDROSTERONE SULPHATE (INCL. DHEA)     | K215                       | DHEAS EIA                            | DE/CA64/00115877                                 |
| 35. | 17 OH PROGESTERONE                                | K217                       | 17-OH-progesterone EIA               | DE/CA64/00115878                                 |
| 36. | ESTRIOL                                           | K218                       | free Estriol EIA                     | DE/CA64/00115880                                 |
| 37. | TESTOSTERONE (WITH DEHYDRO AND FREE TESTOSTERONE) | K219                       | free Testosterone EIA                | DE/CA64/00115881                                 |
| 38. | CANCER ANTIGEN 125                                | K222                       | CA 125 EIA                           | DE/CA64/00115882                                 |
| 39. | CANCER ANTIGEN 19-9                               | K223                       | CA 19-9 EIA                          | DE/CA64/00115883                                 |
| 40. | CARCINOEMBRYONIC ANTIGEN                          | K224                       | CEA EIA                              | DE/CA64/00115884                                 |
| 41. | ALPHAFETOPROTEIN                                  | K225                       | AFP EIA                              | DE/CA64/00115885                                 |
| 42. | CANCER ANTIGEN 15-3                               | K226                       | CA 15-3 (M12) EIA                    | DE/CA64/00115886                                 |
| 43. | OTHER OTHER TUMOUR MARKERS                        | K232                       | Thyroglobulin EIA                    | DE/CA64/00115887                                 |
| 44. | β HUMAN CHORIONIC GONADOTROPIN (INCL. SUBUNIT)    | K235                       | free β-HCG EIA                       | DE/CA64/00115888                                 |
| 45. | CYFRA 21-1                                        | K236                       | CYFRA 21-1 EIA                       | DE/CA64/00115889                                 |
| 46. | SQUAMOUS CELL CARCINOMA ANTIGEN                   | K237                       | SCC (A) EIA                          | DE/CA64/00115890                                 |
| 47. | PREGNANCY ASSOCIATED PLASMA PROTEIN - A (DOWNS)   | K238                       | PAPP-A EIA                           | DE/CA64/00115892                                 |
| 48. | OTHER OTHER TUMOUR MARKERS                        | K239                       | HE4 EIA                              | DE/CA64/00115893                                 |
| 49. | CANCER ANTIGEN 242                                | K243                       | CA242 EIA                            | DE/CA64/00115894                                 |
| 50. | OTHER PREGNANCY TESTING HORMONES                  | K245                       | AMH EIA                              | DE/CA64/00115896                                 |

The above-mentioned medical products are marked with the CE symbol.  
 Die oben genannten medizinischen Produkte sind mit dem CE-Zeichen gekennzeichnet.

**Annex to the Certificate No.:**

Anhang zum Zertifikat Nr.:

**AR/IVD/XEMA LLC/01/2023**

The following medical devices can be placed on the market in the Federal Republic of Germany, in the member states of the European Economic Community (EEC) and in the other contract states of the agreement about the European Economic Area.

Die folgenden Medizinprodukte in der Bundesrepublik Deutschland, in den Mitgliedsstaaten der Europäischen Wirtschaftsgemeinschaft (EG) und in den Vertragsstaaten der EG in den Verkehr gebracht werden dürfen.

| #   | Nomenclature term<br>Nomenklaturbezeichnung | Catalog No.<br>Katalog-Nr. | Name of device<br>Produktbezeichnung                                                                | DMIDS<br>Registration number<br>Registriernummer |
|-----|---------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 51. | HUMAN PLACENTAL LACTOGEN HPL                | K246                       | Placental lactogen EIA                                                                              | DE/CA64/00115897                                 |
| 52. | C-REACTIVE PROTEIN                          | K250                       | CRP EIA                                                                                             | DE/CA64/00115898                                 |
| 53. | C-PEPTIDE                                   | K267C                      | C-peptide EIA                                                                                       | DE/CA64/00115900                                 |
| 54. | INSULIN                                     | K267N                      | Insulin EIA                                                                                         | DE/CA64/00115901                                 |
| 55. | SEX HORMONE BINDING GLOBULIN                | K268                       | SHBG EIA                                                                                            | DE/CA64/00115902                                 |
| 56. | TROPONIN (T + I)                            | K291                       | Troponin I EIA                                                                                      | DE/CA64/00115903                                 |
| 57. | LYME ANTIBODY IGG                           | K118G                      | Borelia burgdorferi IgG EIA                                                                         | DE/CA64/00115904                                 |
| 58. | LYME ANTIBODY IGM                           | K118M                      | Borelia burgdorferi IgM EIA                                                                         | DE/CA64/00115905                                 |
| 59. | EBV ANTIBODIES                              | K108V<br>K108VM<br>K108N   | Epstein-Barr virus VCA IgG EIA<br>Epstein-Barr virus VCA IgM EIA<br>Epstein-Barr virus EBNA IgG EIA | DE/CA64/00115906                                 |

The above-mentioned medical products are marked with the CE symbol.  
Die oben genannten medizinischen Produkte sind mit dem CE-Zeichen gekennzeichnet.

Represented in the EC by:

Polmed.de Beata Rozwadowska  
Fichtenstr. 12A, 90763 Fürth, Germany  
email: [info@polmed.de](mailto:info@polmed.de)  
Tel: +49 911 93163967

**SRN: DE-AR-000006947**



Date: **March 07, 2023**

  
Polmed.de



# CERTIFICATE

on compliance of Quality Management System

**Registration Date:**

**August 02, 2024**

**No. UA.SM.214-21**

**Expiry Date: August 01, 2027**

**First edition: August 04, 2021**

**THIS IS TO CERTIFY THAT  
QUALITY MANAGEMENT SYSTEM CONCERNING**

**The Design and Development, Manufacture, Storage and Distribution  
medical devices for in vitro diagnostics**

**was implemented by: XEMA LLC**

**at the address: Akademika Yefremova St. 23, Kyiv, Ukraine, 03179**

**meets the requirements of DSTU EN ISO 13485:2018  
(EN ISO 13485:2016, IDT; ISO 13485:2016, IDT); ISO 13485:2016.**

Compliance control of the certified quality management system with the requirements of the specified standard is carried out through supervision, the frequency and procedures of which are regulated by the procedures of the conformity assessment body.

The conformity assessment body UKRMEDCERT LLC, address: str. Drahomanova, building 1-A, office 2, Kyiv, 02059, Ukraine, phone: +38-067-595-02-30, <https://ukrmedcert.org.ua>

**Head of CAB**



**Tetiana SUKHENKO**

The validity of a certificate of compliance can be verified in the online Register  
<https://ukrmedcert.org.ua> or by phone +38-067-595-02-30.  
The original version of this Certificate is issued in Ukrainian.







**Instruction for use**  
**A solid-phase enzyme immunoassay kit**  
**for the quantitative determination of**  
**C-reactive protein in human serum or plasma**

## CRP EIA

Catalogue number **REF K250**



For 96 determinations



*In vitro* diagnostic medical device

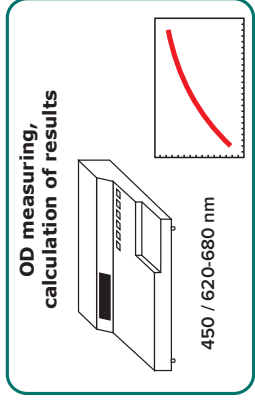
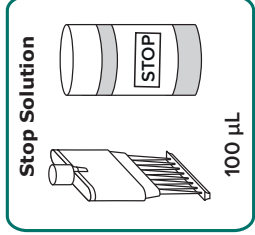
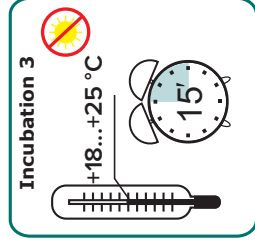
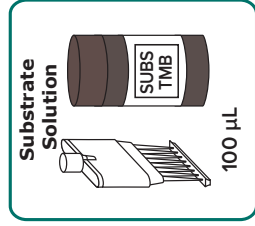
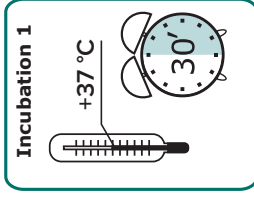
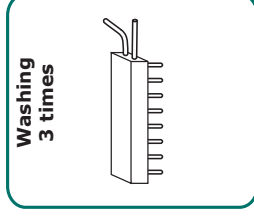
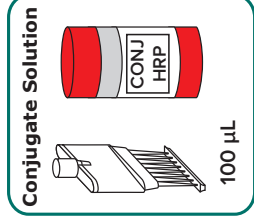
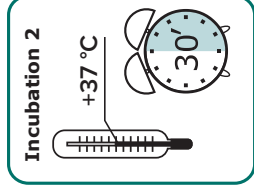
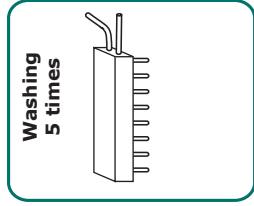
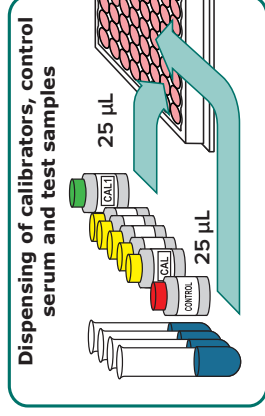
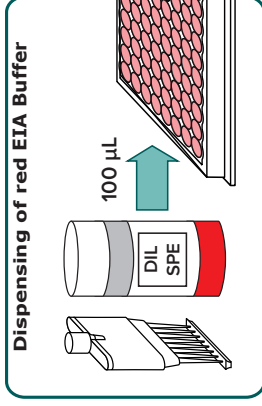
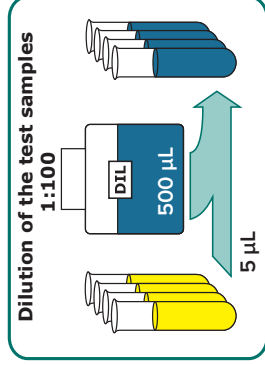


XEMA LLC  
Akademika Yefremova St. 23  
03179, Kyiv, Ukraine  
tel.: +38 044 422-62-16  
tel.: +38 044 294-69-78  
E-mail: [qa@xema.com.ua](mailto:qa@xema.com.ua)  
[www.xema.com.ua](http://www.xema.com.ua)



Authorized Representative in EU:  
Polmed.de Beata Rozwadowska  
Fichtenstr. 12A, 90763 Fuerth, Germany  
tel.: + 49 911 931 639 67  
E-mail: [info@polmed.de](mailto:info@polmed.de)  
[www.polmed.de](http://www.polmed.de)

## ASSAY PROCEDURE



During performing several independent series of tests, Calibrators, and Control Serum should be used **each time**.

**K250**

CONTENT

|                                                               |    |
|---------------------------------------------------------------|----|
| 1. INTENDED USE                                               | 2  |
| 2. GENERAL INFORMATION                                        | 2  |
| 3. TEST PRINCIPLE                                             | 2  |
| 4. KIT COMPONENTS                                             | 3  |
| 5. EQUIPMENT AND MATERIAL REQUIRED BUT NOT PROVIDED           | 4  |
| 6. WARNING AND PRECAUTIONS                                    | 4  |
| 7. SPECIMEN COLLECTION, TRANSPORTATION AND STORAGE OF SAMPLES | 5  |
| 8. TRANSPORTATION AND STORAGE TERMS OF KIT, WASTE DISPOSAL    | 5  |
| 9. REAGENTS PREPARATION                                       | 6  |
| 10. ASSAY PROCEDURE                                           | 6  |
| 11. TEST VALIDITY                                             | 8  |
| 12. EXPECTED VALUES                                           | 8  |
| 13. PERFORMANCE CHARACTERISTICS                               | 8  |
| 14. REFERENCES                                                | 10 |
| SAMPLES IDENTIFICATION PLAN                                   | 11 |

**Instruction for use**  
**A solid-phase enzyme immunoassay kit**  
**for the quantitative determination of C-reactive protein**  
**in human serum or plasma**

**CRP EIA**

**1. INTENDED USE**

The CRP EIA kit is an enzyme immunoassay, intended for the quantitative determination of C-reactive protein in human serum or plasma.

The field of application is clinical laboratory diagnostics.

**2. GENERAL INFORMATION**

C-reactive protein (CRP) is a member of pentraxin family with the MM 100 kDa. In evolution of vertebrates, CRP was one of the first developed factors of inborn humoral immunity. CRP efficiently binds both endogenous (phosphoethanolamine, phosphorylcholine, histones, fibronectin, laminin) and exogenous (cell walls of Gram positive bacteria) ligands. The binding of these ligands as well as the debris of apoptotic and necrotic cells by CRP facilitates the phagocytosis. CRP is capable to activate classic pathway of complement activation and phagocytic activity of macrophages. Dramatic (up to 1000 fold) elevation of serum CRP level is highly sensitive but nonspecific marker of inflammation induced by interleukin 6.

Elevated serum CRP is also observed in smokers and post-menopausal women receiving substitution hormonal therapy.

**3. TEST PRINCIPLE**

The determination of CRP is based on the two-site sandwich enzyme immunoassay principle. On the inner surface of the microplate wells are immobilized specific murine monoclonal antibodies to human CRP. Second antibodies – murine monoclonal antibodies to human CRP conjugated to the horseradish peroxidase is used as enzyme conjugate. The analysis procedure includes three stages of incubation:

- during the first stage CRP from the specimen is captured by the antibodies coated onto the microwell surface;
- during the second stage horseradish peroxidase-conjugated monoclonal antibodies bind to free epitopes of immobilized CRP, fixed in the formed at the previous stage complexes;
- during the third stage, the complexes formed due to the reaction with the chromogen 3,3',5,5'-tetramethylbenzidine are visualized.

After stopping the reaction with a stop solution, the intensity of the color of the microwells is measured. The optical density in the microwell is directly related to the quantity of the measured CRP in the serum specimen (plasma).

The concentration is determined according to the calibration graph of the dependence of the optical density on the content of CRP in the calibration samples.

4. KIT COMPONENTS

| Code of component | Symbol       | Name                                    | Volume | Qty, pcs. | Description                                                                                                                                      |
|-------------------|--------------|-----------------------------------------|--------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| P250Z             | SORB MTP     | <b>Microplate</b>                       | -      | 1         | 96-well polystyrene strip microplate coated with murine monoclonal antibodies to human CRP, ready to use                                         |
| C250Z             | CAL 1        | <b>Calibrator C1</b>                    | 0.6 mL | 1         | Solution based on tris buffer (pH 7.2-7.4), free of human CRP, with preservative, ready to use (colourless liquid)                               |
| C250Z             | CAL 2-6      | <b>Calibrators</b>                      | 0.6 mL | 5         | Solutions based on tris buffer (pH 7.2-7.4), containing 0.25; 1; 2.5; 10 and 25 mg/L of human CRP, with preservative, ready to use (red liquids) |
| Q250Z             | CONTROL      | <b>Control Serum</b>                    | 0.6 mL | 1         | Solution based on human serum, containing of known human CRP content, with preservative, ready to use (colourless liquid)                        |
| T250Z             | CONJ HRP     | <b>Conjugate Solution</b>               | 12 mL  | 1         | Solution of murine monoclonal antibodies to human CRP conjugated to the horseradish peroxidase, ready to use (red liquid)                        |
| S011Z3            | DIL          | <b>EIA Buffer</b>                       | 50 mL  | 1         | Buffer solution with detergent and preservative, ready to use (blue liquid)                                                                      |
| S012Z             | DIL SPE      | <b>Red EIA Buffer</b>                   | 12 mL  | 1         | Buffer solution with detergent and preservative, ready to use (red liquid)                                                                       |
| R055Z             | SUBS TMB     | <b>Substrate Solution</b>               | 12 mL  | 1         | Tetramethylbenzidine (TMB) substrate solution, ready to use (colourless liquid)                                                                  |
| S008Z             | BUF WASH 26X | <b>26x Concentrate Washing Solution</b> | 30 mL  | 1         | Buffer solution with detergent, 26x concentrate (colourless liquid)                                                                              |
| R050Z             | STOP         | <b>Stop Solution</b>                    | 12 mL  | 1         | 5.0% solution of sulphuric acid, ready to use (colourless liquid)                                                                                |

The kit also includes instruction for use, quality control data sheet and plate sealing tape (2 pcs.)

## 5. EQUIPMENT AND MATERIAL REQUIRED BUT NOT PROVIDED

- microplate photometer with 450/620-680 nm wavelength;
- dry thermostat for  $+37^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ;
- automatic plate washer (optional);
- micropipettes with variable volume, range volume 5-1000  $\mu\text{L}$ ;
- graduated cylinder of 1000 mL capacity;
- distilled or deionized water;
- timer;
- vortex mixer;
- disposable gloves;
- absorbent paper.

## 6. WARNING AND PRECAUTIONS

*In order to prevent incorrect results, strictly follow the recommended order and duration of the analysis procedure.*

6.1. The kit is for *in vitro* diagnostic use only. For professional laboratory use.

6.2. Follow the rules mentioned below during the kit using:

- do not use kit beyond expire date;
- do not use the kit if its packaging is damaged;
- in order to avoid contamination, use new tips to pipette samples and reagents;
- use only verified equipment;
- close each vial with its own cap, after using the reagent;
- do not use components of other kits or reagents of other manufacturers;
- do not let wells dry after completing the rinsing step; immediately proceed to the next stage;
- avoid bubbles when adding reagents.

**ATTENTION! The TMB substrate solution is light sensitive. Avoid prolonged exposure of the component to light.**

6.3. Some kit components, such as stop solution, substrate solution, and washing solution, may cause toxic or irritant effects. If they get on the skin or mucosa, the affected area should be washed with plenty of running water.

6.4. All human products, including patient samples, should be considered potentially infectious. Handling and disposal should be in accordance with the procedures defined by an appropriate national biohazard safety guidelines or regulations.

6.5. The Calibrators and Control Serum included in the kit are negative for antibodies to HIV 1,2, hepatitis C virus and HBsAg, but the reagents should be considered as potentially infectious material and handled carefully.

6.6. Specimens must not contain any azide compounds, as they inhibit activity of peroxidase.

6.7. Wear protective gloves, protective clothing, eye protection, face protection.

6.8. Do not smoke, eat, drink or apply cosmetics in areas where specimens or kit reagents are handled.

6.9. Safety Data Sheet for this product is available upon request directly from XEMA LLC.

6.10. Serious incidents related to the kit must be reported to the manufacturer, Authorized Representative, and to the Competent Authority of the EU member state(s) where the incident has occurred.

## 7. SPECIMEN COLLECTION, TRANSPORTATION AND STORAGE OF SAMPLES

7.1. Blood sampling should be carried out from the cubital vein with a disposable needle using a vacuum blood sampling system. Serum or plasma specimens should be clearly labeled and identified. Serum must be separated from the clot as early as possible to avoid hemolysis of red blood cells. If there are any visible particles in the sample, they should be removed by centrifugation at 3000-5000 rpm for 20 minutes at room temperature or by filtration.

Don't use samples with high lipidemia, hemolysis as they may give false test results.

7.2. Specimen should be stored at +2...+8°C up to 3 days. Specimen held for a longer time, should be placed in a freezer at -15°C or below; do not refreeze/thaw samples.

7.3. For the transportation of samples, it is recommended to use triple packaging. The primary package is the labeled tube containing the sample. Secondary packaging is a polyethylene bag that is hermetically closed with a zip-lock. The outer packaging is a heat-insulating container, while the secondary packaging is placed in the outer packaging for transportation in the center of the thermal container. Frozen refrigerants are placed on the bottom, along the side walls of the thermal container, and cover the samples with them.

## 8. TRANSPORTATION AND STORAGE TERMS OF KIT, WASTE DISPOSAL

Information about the singularity storage conditions, transportation of the kit, and disposal of waste should be taken into account by all persons who participate in these processes.

### 8.1. Transportation

The CRP EIA kit should be transported in the manufacturer's packaging at +2...+8°C. Single transportation at the temperature up to 25°C for 5 days is acceptable.

### 8.2. Storage

The CRP EIA kit should be stored in the manufacturer's packaging at +2...+8°C. Do not freeze.

The kit contains reagents sufficient for 96 determinations including Calibrators and Control Serum.

Once opened test-kit is stable for 2 months when stored properly as intended by manufacturer at 2-8°C.

In case of partial use of the kit, the components should be stored in the following way:

- the remaining strips should be immediately resealed in the bag along with the silica gel, closed with the zip-lock, and stored at +2...+8°C within 2 months;
- EIA Buffer, Red EIA Buffer, Substrate Solution, Stop Solution and Washing Solution concentrate after opening the vial, can be stored tightly closed at +2...+8°C until the kit's shelf life;
- Conjugate Solution, Calibrators and Control Serum after opening the vial, can be stored tightly closed at +2...+8°C within 2 months;
- diluted Washing Solution can be stored at room temperature (+18...+25°C) for up to 5 days or at +2...+8°C for up to 14 days.

Kits that were stored in violation of the storage condition cannot be used.

### 8.3. Disposal

Expired kit components, used reagents and materials, as well as residual samples must be inactivated and disposed of in accordance with legal requirements.



## 9. REAGENTS PREPARATION

9.1. All reagents (including microstrips) and test samples should be allowed to reach room temperature (+18...+25 °C) for at least 30 minutes before use.

### 9.2. Microplate preparation

Open the package with the microplate and install the required number of strips into the frame. The remaining strips should be immediately resealed in the bag along with the silica gel and closed with the zip-lock to prevent moisture from affecting the plate's strips.

### 9.3. Washing solution preparation

Add the contents of the 30 mL washing solution concentrate vial to 750 mL of distilled or deionized water and mix thoroughly. In case of partial use of the kit, take the necessary amount of washing solution concentrate and dilute it 26 times with distilled or deionized water.

The spending of the components in case of partial use of the kit is given in the table:

| Quantity of strips                             | 1    | 2   | 3     | 4   | 5     | 6   | 7     | 8   | 9     | 10  | 11    | 12  |
|------------------------------------------------|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Volume of the washing solution concentrate, mL | 2.5  | 5   | 7.5   | 10  | 12.5  | 15  | 17.5  | 20  | 22.5  | 25  | 27.5  | 30  |
| Volume of water, mL                            | 62.5 | 125 | 187.5 | 250 | 312.5 | 375 | 437.5 | 500 | 562.5 | 625 | 687.5 | 750 |

### 9.4. Samples preparation

Dilute samples using EIA buffer 101 fold (for example, add to the vial 5 µL of the test sample + 500 µL EIA buffer).

If suggested analyte concentration in the sample exceeds the 25 mg/L, additionally dilute this sample accordingly, using EIA Buffer. Use of other buffers or reagents for sample dilution may lead to incorrect measurement.

*NOTE: in order to obtain reliable results, we recommend to use several successive dilutions of the blood serum (plasma) sample.*

**Do not dilute Control Serum and Calibrators!**

## 10. ASSAY PROCEDURE

- Put the desired number of strips into the frame based on the number of test samples and 14 wells for Calibrators and Control Serum (2 wells for each Calibrator (CAL 1-6) and 2 wells for Control Serum (Q)).
- Dilute the test samples as described in 9.4.
- Dispense **100 µL of red EIA Buffer** to all wells.
- Dispense **25 µL of Calibrators and Control Serum as well as 25 µL of test serum/ plasma samples** (SAMP) to the wells of the microplate according to the scheme below. The introduction of Calibrators, Control Serum and test samples should be carried out within 5 minutes to ensure equal incubation time for the first and last samples.

***During performing several independent series of tests, Calibrators and Control Serum should be used each time.***

**Scheme of introduction of samples**

|   | 1     | 2     | 3     | 4     | 5      | 6      | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|-------|-------|--------|--------|---|---|---|----|----|----|
| A | CAL1  | CAL1  | SAMP2 | SAMP2 | SAMP10 | SAMP10 |   |   |   |    |    |    |
| B | CAL2  | CAL2  | SAMP3 | SAMP3 | SAMP11 | SAMP11 |   |   |   |    |    |    |
| C | CAL3  | CAL3  | SAMP4 | SAMP4 | SAMP12 | SAMP12 |   |   |   |    |    |    |
| D | CAL4  | CAL4  | SAMP5 | SAMP5 |        |        |   |   |   |    |    |    |
| E | CAL5  | CAL5  | SAMP6 | SAMP6 |        |        |   |   |   |    |    |    |
| F | CAL6  | CAL6  | SAMP7 | SAMP7 |        |        |   |   |   |    |    |    |
| G | Q     | Q     | SAMP8 | SAMP8 |        |        |   |   |   |    |    |    |
| H | SAMP1 | SAMP1 | SAMP9 | SAMP9 |        |        |   |   |   |    |    |    |

- 10.5. Carefully mix the contents of the microplate in a circular motion on a horizontal surface, cover strips with a plate sealing tape and incubate for **30 minutes at +37°C**.
- 10.6. At the end of the incubation period, remove and discard the plate cover. Aspirate and wash each well **3 times** using an automatic washer or an 8-channel dispenser. For each washing, add 300 µL of Washing Solution (see 9.3) to all wells, then remove the liquid by aspiration or decantation. The residual volume of the Washing Solution after each aspiration or decantation should be no more than 5 µL. After washing, carefully remove the remaining liquid from the wells on the absorbent paper. For the automatic washer/analyzer, the Washing Solution volume can be increased to 350 µL.
- 10.7. Add **100 µL of the Conjugate Solution** to all wells.
- 10.8. Cover strips with a plate sealing tape and incubate for **30 minutes at +37°C**.
- 10.9. At the end of the incubation period, aspirate and wash each well **5 times** as described in 10.6.
- 10.10. Add **100 µL of Substrate Solution** to all wells. The introduction of the Substrate Solution into the wells must be carried out within 2-3 minutes. Incubate the microplate in the dark **at room temperature (+18...+25°C) for 15 minutes**.  
*The incubation time can be varied depending on the intensity of the blue colour development.*
- 10.11. Add **100 µL of Stop Solution** to all wells in the same order as the Substrate Solution. After adding the Stop Solution, the contents of the wells turn yellow.
- 10.12. Read the optical density (OD) of the wells at 450 nm and reference light filters 620–680 nm using a microplate photometer within 5 minutes of adding the stop solution.
- 10.13. Plot a calibration curve in linear coordinates: (x) is the concentration of CRP in the calibrators mg/L, (y) – OD versus concentration of CRP (OD 450 nm/620–680 nm). Manual or computerized data reduction is applicable at this stage. For the algorithm calculation (approximation) of the calibration curve, using the interval (segment-linear, point-to-point) method is recommended.
- 10.14. Determine the corresponding concentration of CRP in tested samples from the calibration curve. In the case of additional dilution of the test sample (see 9.4), the obtained result should be multiplied by the dilution factor.

## 11. TEST VALIDITY

The test run shall be considered valid if the OD of CAL1 is below 0.15, the OD of CAL6 is above the critical value (see Quality control Data Sheet) and the values of the Control Serum fall into the required range (see Quality control Data Sheet).

## 12. EXPECTED VALUES

Therapeutical consequences should not be based on results of IVD methods alone – all available clinical and laboratory findings should be used by a physician to elaborate therapeutically measures. Each laboratory should establish its own normal range for CRP. Based on data obtained by XEMA LLC, the following normal range is recommended (see below).

*NOTE: values of CRP concentrations in the tested samples that are below the LoD (0.05 mg/L) and also exceed the value of the upper calibrator (25 mg/L) should be provided in the following form: «the CRP concentration of tested sample X is «lower than 0.05 mg/L» or «higher than 25 mg/L»*

| Sex, age       | Units, mg/L |             |
|----------------|-------------|-------------|
|                | Lower limit | Upper limit |
| Healthy donors | -           | 5.0         |

## 13. PERFORMANCE CHARACTERISTICS

### 13.1. Analytical performance characteristics

#### 13.1.1. Precision of Measurement

*Repeatability (Intra assay repeatability)* was determined by evaluation the coefficient of variation (CV) for 2 different samples during 1 day in 24 replicates on one series of ELISA kit.

| Sample | Concentration, mg/L | CV, % |
|--------|---------------------|-------|
| 1      | 11.9                | 3.34  |
| 2      | 15.3                | 2.13  |

*Reproducibility (Inter assay reproducibility)* was determined by evaluating the coefficients of variation for 2 samples during 5 days in 8-replicate determinations.

| Sample | Concentration, mg/L | CV, % |
|--------|---------------------|-------|
| 1      | 12.2                | 5.3   |
| 2      | 18.9                | 7.4   |

*Reproducibility between lots* was investigated by testing samples for one day on three lots. Each sample was run in 8 replicates.

| Sample | Concentration 1, mg/L | Concentration 2, mg/L | Concentration 3, mg/L | CV, % |
|--------|-----------------------|-----------------------|-----------------------|-------|
| 1      | 12.7                  | 13.3                  | 12.3                  | 3.66  |
| 2      | 15.5                  | 17.8                  | 15.1                  | 1.7   |

#### 13.1.2. Trueness

The trueness of measurement is the degree of closeness of the average value obtained from a large number of measurement results to the true value. The bias of the measurement result (bias of measurements) is the difference between the mathematical expectation of the measurement result and the true value of the measurand. The bias was calculated for each sample and it was determined that it corresponds to the specified limits of  $\pm 10\%$ .

### 13.1.3. Linearity

Linearity was determined using sera samples with known CRP concentration (low and high) and mixing them with each other and buffer solution in different proportions. According to the measurements, linear range of kit is 0.25-25 mg/L  $\pm 10\%$ .

### 13.1.4. Analytical sensitivity

Limit of detection (LoD) – the lowest CRP concentration in the serum or plasma sample that is detected by the CRP EIA kit is no lower than 0.05 mg/L.

Limit of quantification (LoQ) – the lowest concentration of the analyte in the sample that is determined quantitatively with the declared trueness for CRP EIA kit is 0.25 mg/L.

### 13.1.5. Analytical specificity

For the analysis result is not affected by the presence in the sample of bilirubin in a concentration of up to 0.21 mg/mL and hemoglobin in a concentration of up to 10 mg/mL.

### 13.1.6. Metrological traceability

The concentrations of the CRP EIA kit's calibrators correspond to the WHO International Standard HUMAN C-REACTIVE PROTEIN 1st International Standard, NIBSC code: 85/506.

#### 14. REFERENCES

1. Steven Black, Irving Kushner, and David Samols – C-reactive Protein. J. Biol. Chem., Nov 2004; 279: 48487 – 48490.
2. V B Patel, M A Robbins, and E J Topol – C-reactive protein: a 'golden marker' for inflammation and coronary artery disease. Cleveland Clinic Journal of Medicine, Jun 2001; 68: 521 – 524.
3. Nader Rifai and Paul M. Ridker – High-Sensitivity C-Reactive Protein: A Novel and Promising Marker of Coronary Heart Disease. Clin. Chem., Mar 2001; 47: 403 – 411.
4. Наказ МОЗ України №325 від 08.06.2015 «Про затвердження Державних санітарно-протиепідемічних правил і норм щодо поводження з медичними відходами».
5. Постанова КМУ від 02 жовтня 2013р. №754 «Про затвердження технічного регламенту щодо медичних виробів для діагностики in vitro».
6. НПАОП 85.14-1.09-81. Правила облаштування, техніки безпеки, виробничої санітарії, протиепідемічного режиму і особистої гігієни при роботі в лабораторіях (відділеннях, відділах) санітарноепідеміологічних установ системи Міністерства охорони здоров'я СРСР (НАОП 9.1.50-1.09-81).

SAMPLES IDENTIFICATION PLAN

|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A |   |   |   |   |   |   |   |   |   |    |    |    |
| B |   |   |   |   |   |   |   |   |   |    |    |    |
| C |   |   |   |   |   |   |   |   |   |    |    |    |
| D |   |   |   |   |   |   |   |   |   |    |    |    |
| E |   |   |   |   |   |   |   |   |   |    |    |    |
| F |   |   |   |   |   |   |   |   |   |    |    |    |
| G |   |   |   |   |   |   |   |   |   |    |    |    |
| H |   |   |   |   |   |   |   |   |   |    |    |    |

LOT \_\_\_\_\_

DATE \_\_\_\_\_

SAMPLES IDENTIFICATION PLAN

|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| A |   |   |   |   |   |   |   |   |   |    |    |    |
| B |   |   |   |   |   |   |   |   |   |    |    |    |
| C |   |   |   |   |   |   |   |   |   |    |    |    |
| D |   |   |   |   |   |   |   |   |   |    |    |    |
| E |   |   |   |   |   |   |   |   |   |    |    |    |
| F |   |   |   |   |   |   |   |   |   |    |    |    |
| G |   |   |   |   |   |   |   |   |   |    |    |    |
| H |   |   |   |   |   |   |   |   |   |    |    |    |

LOT \_\_\_\_\_

DATE \_\_\_\_\_



|                                                                                   |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Manufacturer                                                       |
|  | <i>In vitro</i> diagnostic medical device                          |
|  | Catalogue number                                                   |
|  | Use-by date                                                        |
|  | Batch code                                                         |
|  | Temperature limit                                                  |
|  | Contains sufficient for <n> tests                                  |
|  | Caution                                                            |
|  | Consult instructions for use                                       |
|  | Conformity Marking with technical regulations in Ukraine           |
|  | Authorized representative in the European Community/European Union |
|  | CE Conformity Marking                                              |

**For any issues related to operation of the kit and technical support,  
please contact by telefon number**

**+38 044 294-69-78**

**or write to:**

**[qa@xema.com.ua](mailto:qa@xema.com.ua)**



XEMA LLC  
Akademika Yefremova St. 23  
03179, Kyiv, Ukraine  
tel.:+38 044 422-62-16  
tel.:+38 044 294-69-78  
E-mail: [qa@xema.com.ua](mailto:qa@xema.com.ua)  
[www.xema.com.ua](http://www.xema.com.ua)