MDSAP
MEDICAL DEVICE SINGLE AUDIT PROGRAM

TÜV SÜD America

CERTIFICATE

No. QS6 071067 0007 Rev. 00

Certificate Holder: **Liofilchem S.r.l.**
Via Scozia
64026 Roseto degli Abruzzi (TE)
ITALY

Certification Mark:

Scope of Certificate: **Design, Development, Manufacture and Distribution of In-Vitro Diagnostic Medical Devices: Microbial Identification and Antimicrobial Susceptibility Testing Systems, Antibiotic Minimum Inhibitory Concentration Test Strips, Antibiotic Discs, Dehydrated and Ready-To-Use Culture Media, Plasma Protein Determination Kits**

Standard(s): **ISO 13485:2016**

Regulatory Authority(ies): **Australia TGA, Brazil ANVISA, Health Canada, USA FDA, MHLW / PMDA. See attached for listing of specific regulatory requirements.**

The Certification Body of TÜV SÜD America Inc. certifies that the quality management system of the manufacturer listed above has been audited against the stated criteria and found to conform to those criteria for the scope of certification listed. Validity of this certificate can be obtained by visiting the website https://www.tuev-sued.de/product-testing/certificates

TÜV SÜD America Inc. is an MDSAP Recognized Auditing Organization.

DUNS No: **43-534-2134**

Effective Date: **2019-03-11**

Expiry Date: **2022-03-10**

Date of Issue: 2019-03-18

(Arie Henkin)
Manager, Certification Body MHS
TÜV SÜD America Inc. • 10 Centennial Drive Ste 207 • Peabody, MA 01960 USA • www.tuvsud.com

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

US-Letter / 07.17

MDSAP
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No. QS6 071067 0007 Rev. 00

Regulatory Requirements: **Audit/Certification Criteria**

Australia
Therapeutic Goods (Medical Devices) Regulations 2002
- Schedule 3, Part 1

Brazil
- RDC ANVISA n. 16/2013
- RDC ANVISA n. 23/2012
- RDC ANVISA n. 67/2009

Canada
- Medical Device Regulations SOR/98-282, Part 1

United States
- 21 CFR Part 803
- 21 CFR Part 806
- 21 CFR Part 807
- 21 CFR Part 820
- 21 CFR Part 821

Japan
- MHLW Ministerial Ordinance 169, Article 4 to Article 68
- PMD Act

Facility(ies):

Liofilchem S.r.l.
Via Scozia, 64026 Roseto degli Abruzzi (TE), ITALY

Liofilchem S.r.l.
Contrada Piane Vomano, Traversa di Via Grecia, 64026 Roseto degli Abruzzi (TE), ITALY

Date of Issue: 2019-03-18

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TÜV SÜD America

CERTIFICATE

No. QS6 071067 0007 Rev. 00

Facility Scopes:

Liofilchem S.r.l.
Via Scozia, 64026 Roseto degli Abruzzi (TE), Italy

Production of In-Vitro Diagnostic Medical Devices: Culture Media for Bacteriology
DUNS No: 43-534-2134

Liofilchem S.r.l.
Contrada Piane Vomano, Traversa di Via Grecia, 64026 Roseto degli Abruzzi (TE), Italy

Design and Development, Production and Sale of In-Vitro Diagnostic Medical Devices: Culture Media for Bacteriology, Identification and Susceptibility Testing Systems, Kits for Plasma Protein Determination; Distribution of Other In-Vitro Diagnostic Medical Devices
DUNS No: 43-534-2134

Date of Issue: 2019-03-18

(Arie Henkin)
Manager, Certification Body MHS
TÜV SÜD America Inc. • 10 Centennial Drive Ste 207 • Peabody, MA 01960 USA • www.tuvsud.com

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Italia

CERTIFICATO

Nr. 50 100 11497 - Rev. 003

Si attesta che / *This is to certify that*

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF

LIOFILCHEM S.r.l.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

VIA SCOZIA SNC - ZONA INDUSTRIALE
I-64026 ROSETO DEGLI ABRUZZI (TE)

SEDE OPERATIVA:
OPERATIONAL SITE:

CONTRADA PIANE VOMANO – TRAVERSA DI VIA GRECIA
I-64026 ROSETO DEGLI ABRUZZI (TE)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

Progettazione e sviluppo, produzione e commercializzazione di dispositivi medico diagnostici in-vitro: terreni di coltura per batteriologia, sistemi di identificazione e antibiogramma, kit per la determinazione di plasmaproteine (IAF 12, 29)

Design and development, production and sale of in-vitro diagnostic medical devices: culture media for bacteriology, identification and susceptibility testing systems, kits for plasma protein determination (IAF 12, 29)

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 049A

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Andrea Coscia
Direttore Divisione Business Assurance

Validità / *Validity*

Dal / From: **2019-02-11**

Al / To: **2022-02-10**

Data emissione / *Issuing Date*

2019-02-11

PRIMA CERTIFICAZIONE / *FIRST CERTIFICATION:* 2012-09-25

"LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RIESAME COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE"

"THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ANNUAL SURVEILLANCE EVERY 12 MONTHS AND ON THE COMPLETE REVIEW OF COMPANY'S MANAGEMENT SYSTEM AFTER THREE-YEARS"

TI01-14(01

CERTIFICATO
N° Q5 071067 0006 Rev. 00

Titolare del certificato: **Liofilchem S.r.l.**
Via Scozia
64026 Roseto degli Abruzzi (TE)
ITALIA

Stabilimento(i):
Liofilchem S.r.l.
Via Scozia,64026 Roseto degli Abruzzi (TE), ITALIA

Liofilchem S.r.l.
Contrada Piane Vomano,Traversa di Via Grecia,
64026 Roseto degli Abruzzi (TE), ITALIA

Marchio di certificazione:

Campo di applicazione: **Progettazione e sviluppo, produzione e commercializzazione di dispositivi medico diagnostici in-vitro: terreni di coltura per batteriologia, sistemi di identificazione e antibiogramma, kit per la determinazione di plasmaproteine. Distribuzione di altri dispositivi medico diagnostici in-vitro**

Norma(e) applicata(e): EN ISO 13485:2016
Dispositivi medici – Sistemi di gestione per la qualità - Requisiti per scopi regolamentari
(ISO 13485:2016)
DIN EN ISO 13485:2016

L'Organismo di Certificazione TÜV SÜD Product Service GmbH certifica che la società sopramenzionata ha istituito e mantiene un sistema di gestione qualità conforme ai requisiti della(e) norma(e) elencata(e). Vedere anche note sul retro.

N° del rapporto: ITA1070742

Valido da: 2018-12-19
Valido fino al: 2021-12-18

Data, 2018-12-19

I. Preiß
Stefan Preiß

Pagina 1 di 1
Traduzione per scopi informativi. La sola versione inglese (tedesca) è legalmente impegnativa.

TÜV®

DAkkS Deutsche Akkreditierungsstelle D-ZM-11321-01-00

Product Service

Certificate
No. Q5 071067 0006 Rev. 00

Holder of Certificate: **Liofilchem S.r.l.**
Via Scozia
64026 Roseto degli Abruzzi (TE)
ITALY

Facility(ies):
Liofilchem S.r.l.
Via Scozia, 64026 Roseto degli Abruzzi (TE), ITALY

Liofilchem S.r.l.
Contrada Piane Vomano, Traversa di Via Grecia, 64026 Roseto degli Abruzzi (TE), ITALY

Certification Mark:

Scope of Certificate: **Design and development, production and sale of in-vitro diagnostic medical devices: culture media for bacteriology, identification and susceptibility testing systems, kits for plasma protein determination. Distribution of other in-vitro diagnostic medical devices**

Applied Standard(s): EN ISO 13485:2016
Medical devices - Quality management systems - Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

Report No.: ITA1070742

Valid from: 2018-12-19
Valid until: 2021-12-18

I. Preiß

Date, 2018-12-19 Stefan Preiß

Page 1 of 1
TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

Liofilchem®

DICHIARAZIONE DI CONFORMITÀ CE / EC DECLARATION OF CONFORMITY

DICHIARAZIONE DI CONFORMITÀ CE

La società Liofilchem® S.r.l., con Sede Legale in Via Scozia, 64026 Roseto degli Abruzzi (TE) Italia, in qualità di fabbricante del dispositivo medico-diagnostico *in vitro* elencato nella tabella allegata Revisione 32.1 del 07.06.2017

dichiara sotto la propria responsabilità

1. che il dispositivo sopra indicato soddisfa tutte le disposizioni applicabili della Direttiva 98/79/CE (Allegato III) recepita nella Legislazione Italiana dal Decreto Legislativo n° 332 del 8 settembre 2000;
2. che il dispositivo in oggetto non è incluso nell'Allegato II, lista A e B della Direttiva 98/79/CE
3. che la documentazione tecnica di cui all'allegato III della direttiva Direttiva 98/79/CE è a disposizione delle autorità nazionali presso la sua sede e sarà conservata per 5 anni dall'ultima data di fabbricazione del prodotto;
4. che il processo di fabbricazione segue adeguati principi di assicurazione della qualità;
5. di aver attivato e di mantenere aggiornato, un sistema di sorveglianza post-produzione per il monitoraggio dei prodotti;
6. che il dispositivo in oggetto è stato messo in commercio munito di marcatura CE.

EC DECLARATION OF CONFORMITY

The company Liofilchem® S.r.l., registered office in Via Scozia, 64026 Roseto degli Abruzzi (TE) Italy, as a manufacturer of the in vitro medical-diagnostic device listed in the attached table, Revision 32.1 of 07.06.2017

hereby certifies under its own responsibility

1. that the above mentioned device complies with all the applicable provisions of Directive 98/79/EC (Annex III) and its relevant transposition into national law;
2. the above mentioned is not included in Annex II , List A and B of Directive 98/79/EC;
3. that the technical documentation referred to at Annex III of the Directive 98/79/EC is available for the national authorities in its facility and that this documentation shall be kept for 5 years after the last product has been manufactured;
4. that the manufacturing process follows suitable principles of quality assurance;
5. that, has implemented and keep up to date, a post-production surveillance system for monitoring the products;
6. that the device in question, was introduced into the market provided with CE mark.

Roseto, 07.06.2017

Direttore Tecnico/ Technical Director
Dott. Silvio Brocco

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

Rev. 32.1 del 07.06.2017

10002	DNA AGAR + BLU DI TOLUIDINA
10004	CLED ANDRADE AGAR
10004*	CLED ANDRADE AGAR
10005	MAC CONKEY SORBITOL AGAR
10005*	MAC CONKEY SORBITOL AGAR
10006	TRYPTIC SOY AGAR + 0,6% YEAST EXTRACT
10007	BACILLUS CEREUS AGAR (PEMBA)
10007*	BACILLUS CEREUS AGAR (PEMBA)
10013	DNase TEST AGAR
10013*	DNase TEST AGAR
10014	Purple Lactose Agar
10014*	Purple Lactose Agar
10017	CZAPEK DOX AGAR
10018	DRIGALSKY LACTOSE AGAR
10020	Baird Parker Agar
10020*	Baird Parker Agar
10021	BIGGY (NICKERSON) AGAR
10021*	BIGGY (NICKERSON) AGAR
10022	BRILLIANT GREEN AGAR
10022*	BRILLIANT GREEN AGAR
10023	Chocolate Agar
10023*	Chocolate Agar
10024	TRYPTOSE AGAR
10024*	TRYPTOSE AGAR
10025	COLUMBIA AGAR (Horse Blood 5%)
10025*	COLUMBIA AGAR (Horse Blood 5%)
10026	CLED AGAR
10026*	CLED AGAR
10027	BACILLUS CEREUS AGAR (Mossel)
10027*	BACILLUS CEREUS AGAR (Mossel)
10028	ISOSENSITEST AGAR
10028*	ISOSENSITEST AGAR
10029	MAC CONKEY AGAR
10029*	MAC CONKEY AGAR
10030	MANNITOL SALT AGAR
10030*	MANNITOL SALT AGAR
10031	MUELLER HINTON II AGAR
10031*	MUELLER HINTON II AGAR
10033	PSEUDOMONAS (CETRIMIDE) AGAR
10033*	PSEUDOMONAS (CETRIMIDE) AGAR
10035	SABOURAUD AGAR
10035*	SABOURAUD AGAR
10035S	SABOURAUD AGAR Irradiated
10036	S.S. AGAR
10036*	S.S. AGAR
10037	Tryptic Soy Agar
10037*	Tryptic Soy Agar
10037S	TRYPTIC SOY AGAR Irradiated
10039	ROGOSA AGAR
10039*	ROGOSA AGAR
10040	NEW YORK CITY AGAR
10040*	NEW YORK CITY AGAR
10041	LISTERIA PALCAM AGAR
10041*	LISTERIA PALCAM AGAR
10042	CRYSTAL VIOLET AGAR (Sheep Blood 5%)
10042*	CRYSTAL VIOLET AGAR (Sheed 5%)
10043	HEKTOEN ENTERIC AGAR
10043*	HEKTOEN ENTERIC AGAR
10044	NUTRIENT AGAR
10044*	NUTRIENT AGAR
10046	SERUM TELLURITE AGAR
10047	BISMUTH SULFITE AGAR
10047*	BISMUTH SULFITE AGAR
10048	E.M.B. LEVINE AGAR
10048*	E.M.B. LEVINE AGAR
10050	CAMPYLOBACTER AGAR (Sheep Blood 5%)
10050*	CAMPYLOBACTER AGAR (Sheep Blood 5%)
10051	Legionella BCYE Agar
10051*	Legionella BCYE Agar
10052	YERSINIA SELECTIVE AGAR
10052*	YERSINIA SELECTIVE AGAR
10053	WILKINS CHALGREEN AGAR
10053*	WILKINS CHALGREEN AGAR
10054	WURTZ LACTOSE AGAR
10054*	WURTZ LACTOSE AGAR
10056	X.L.D. AGAR
10056*	X.L.D. AGAR
10057	BILE AESCULIN AGAR
10057*	BILE AESCULIN AGAR
10058S	TRYPTIC SOY AGAR Irradiated -30 mL-
10060	BRAIN HEART INFUSION AGAR
10060*	BRAIN HEART INFUSION AGAR
10064	CHRISTENSEN UREA AGAR
10065	SCHAEDLER KKV AGAR(Sheep Blood 5%)
10065*	SCHAEDLER KKV AGAR(Sheep Blood 5%)
10067	SCHAEDLER KVN AGAR (Sheep Blood 5%)
10069	XLT 4 Agar
10069*	XLT 4 Agar
10074S	TRYPTIC SOY AGAR+NEUTRALIZING Irradiated
10076	MUELLER HINTON II MOD. AGAR
10076*	MUELLER HINTON II MOD. AGAR
10079	CASITONE AGAR
10079*	CASITONE AGAR
10080	HAEMOPHYLUS TEST AGAR
10080*	HAEMOPHYLUS TEST AGAR
10082	HELICOBACTER PYLORI AGAR
10082*	HELICOBACTER PYLORI AGAR
10090	M.R.S. Agar
10090*	M.R.S. Agar
10095	BRAIN HEART AGAR FOR HAEMOPHILUS
10129	MAC CONKEY AGAR MMG
10129*	MAC CONKEY AGAR MMG
10131	Mueller Hinton II Agar (Sheep Blood 5%)
10131*	Mueller Hinton II Agar (Sheep Blood 5%)
10132	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L β-NAD)
10132*	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L β-NAD)
10134	Legionella BMPA Agar
10141	SALMONELLA TEST AGAR
10141*	SALMONELLA TEST AGAR
10142	BLOOD AGAR (Sheep Blood 7%)(ISO 10560)
10142*	BLOOD AGAR (Sheep Blood 7%)(ISO 10560)
10143	Mueller Hinton Agar + 5 % Horse Blood Lysed
10145	CAMPYLOBACTER KARMALI AGAR
10146	CAMPYLOBACTER PRESTON AGAR
10148	CAMPYLOBACTER AGAR (Sheep Blood 10%)
10224	Baird Parker Agar
10225	LISTERIA PALCAM AGAR 140 mm
10231	MUELLER HINTON II AGAR 140 mm
10233	R.P.M.I. AGAR

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

Rev. 32.1 del 07.06.2017

10235	Sabouraud CAF Agar + Gentamicin
10235*	Sabouraud CAF Agar + Gentamicin
10235S	Sabouraud CAF Agar + Gentamicin Irradiated
10236	CLED AGAR 140 mm
10240	SCHAEDLER K AGAR (Sheep Blood 5%) 140mm
10241	SCHAEDLER KKV AGAR(Sheep blood 5%) 140mm
10242	SABOURAUD CAF AGAR 140 mm
10243	Sabouraud CAF Agar + Gentamicin 140mm
10244	DERMATOPHYTE (D.T.M.) AGAR 140 mm
10245	BRUCELLA BLOOD AGAR w HEMIN AND VITAMIN K1
10246	Chromatic™ MH
10247	Brucella Blood Agar with Hemin and Vitamin K1
10249	Purple Lactose Agar 140 mm
10334	NEOMYCIN BLOOD AGAR (Sheep Blood 5%)
10334*	NEOMYCIN BLOOD AGAR (Sheep Blood 5%)
10335	MUELLER HINTON CHOCOLATE AGAR
10353	BORDET GENGOU AGAR (Sheep Blood 15%)
10353*	BORDET GENGOU AGAR (Sheep Blood 15%)
10405	SCHAEDLER CNA AGAR (Sheep Blood 5%)
10407	VANCOMYCIN SCREEN AGAR
10408	WILKINS CHALGREN AGAR +5% SHEEP BLOOD
10409	CAMPYLOBACTER CCDA AGAR
10410	MUELLER HINTON AGAR w VITALEX
10411	BILE ESCULIN AZIDE AGAR w VANCOMYCIN
10412	Legionella BCYE Agar w/o Cysteine
10413	XLD Agar EP, USP, JP Formulation
10416	MIDDLEBROOK 7H11 AGAR
10424	Legionella BCYE Agar w Vancomycin + Colistin
10425	SCEDOSPORIUM SELECTIVE AGAR
10438	MacConkey Agar No.2
10438*	MacConkey Agar No.2
10439	Group A Selective Strep Agar w/ 5% Sheep Blood
10441	Sabouraud CAF Agar 50 mg
10445	Chocolate Agar w/ Bacitracin, Vancomycin, Clindamycin
10599	CHROMATIC™ MRSA
10600	OXACILLIN RESISTANCE STAPHYLOCOCCUS AGAR
10601	CHOCOLATE AGAR w/o VITOX
10602	CAMPYLOBACTER SKIRROW AGAR
10605	HELICOBACTER PYLORI EGG YOLK EMULSION AGAR
10620	O.A.LISTERIA
11023	CHOCOLATE BACITRACIN AGAR
11023*	CHOCOLATE BACITRACIN AGAR
11024	COLUMBIA CNA AGAR (Sheep Blood 5%)
11024*	COLUMBIA CNA AGAR (Sheep Blood 5%)
11025	COLUMBIA AGAR (Sheep Blood 5%)
11025*	COLUMBIA AGAR (Sheep Blood 5%)
11027	DESOXYCHOLATE AGAR
11027*	DESOXYCHOLATE AGAR
11030	ANAEROBIC AGAR
11033	PSEUDOMONAS ISOLATION AGAR
11033*	PSEUDOMONAS ISOLATION AGAR
11035	SABOURAUD CAF AGAR
11035*	SABOURAUD CAF AGAR
11035S	SABOURAUD CAF AGAR Irradiated
11037	TRYPTIC SOY AGAR (Sheep Blood 5%)
11037*	TRYPTIC SOY AGAR (Sheep Blood 5%)
11038	TRYPTIC SOY AGAR (Horse Blood 5%)
11038*	TRYPTIC SOY AGAR (Horse Blood 5%)
11040	THAYER MARTIN AGAR
11040*	THAYER MARTIN AGAR

11041	AZIDE AGAR (Sheep Blood 5%)
11041*	AZIDE AGAR (Sheep Blood 5%)
11052	DERMATOPHYTE (D.T.M.) AGAR
11052*	DERMATOPHYTE (D.T.M.) AGAR
11054	GARDNERELLA AGAR (Sheep Blood 5%)
11054*	GARDNERELLA AGAR (Sheep Blood 5%)
11057	ENTEROCOCCO AGAR
11057*	ENTEROCOCCO AGAR
11058	SLANETZ BARTLEY AGAR(m-ENTEROCOCCUS)
11058*	SLANETZ BARTLEY AGAR(m-ENTEROCOCCUS)
11060	CLOSTRIDIUM AGAR (Sheep Blood 5%)
11060*	CLOSTRIDIUM AGAR (Sheep Blood 5%)
11065	SCHAEDLER K AGAR (Sheep Blood 5%)
11065*	SCHAEDLER K AGAR (Sheep Blood 5%)
11070	MYCOSEL AGAR
11070*	MYCOSEL AGAR
11124	COLUMBIA CNA MOD. AGAR (Sheep blood 5%)
11124*	COLUMBIA CNA MOD. AGAR (Sheep blood 5%)
11132	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L β-NAD) (140 mm)
11135	SABOURAUD AGAR MODIFIED
11135*	SABOURAUD AGAR MODIFIED
11143	HERELLEA AGAR
11143*	HERELLEA AGAR
11185	VOGEL JOHNSON AGAR
11185*	VOGEL JOHNSON AGAR
11195	T.C.B.S. AGAR
11195*	T.C.B.S. AGAR
11196	SPS AGAR
11196*	SPS AGAR
11200	PAR TEST AGAR
11200*	PAR TEST AGAR
11205	MYCOPLASMA AGAR
11206	Mueller Hinton II Agar + 2% NaCl
11231	Mueller Hinton II Agar (Sheep Blood 5%) 140 mm
11235	SABOURAUD CAF AGAR + TTC
11235*	SABOURAUD CAF AGAR + TTC
11236	Sabouraud CAF Agar + Actidione
11250	TINSDALE AGAR
11250*	TINSDALE AGAR
11335	SABOURAUD AGAR + GENTAMICIN
11335*	SABOURAUD AGAR + GENTAMICIN
11501	ENTEROCOCCUS AGAR + VANCOMYCIN
11506	BURKHOLDERIA CEPACIA SELECTIVE AGAR
11509	R.P.M.I. AGAR
11510	M.HINTON+GLUCOSE+METHYLEN BLUE
11512	NUTRIENT AGAR acc.to ISO 21528
11513	NUTRIENT AGAR acc.to ISO 6579
11517	COLUMBIA AGAR(Sheep Blood 5%)+VANCOMYCIN
11518	Mueller Hinton Agar + Cloxacillin
11610	Chromatic™ E.coli O157
11611	CHROMATIC™ DETECTION
11612	CHROMATIC™ CANDIDA
11614	CHROMATIC™ SALMONELLA
11615	CHROMATIC™ STAPH AUREUS
11617	CHROMATIC™ STREPTO B
11618	CHROMATIC™ MH
11619	CHROMATIC™ CRE
11621	CHROMATIC™ VRE
11622	CHROMATIC™ ESBL
11627	Chromatic™ Enterococcus

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

Rev. 32.1 del 07.06.2017

11629	CHROMATIC™ ESBL + AmpC
11629*	CHROMATIC™ ESBL + AmpC
11631	Chromatic™ OXA-48
11632	Chromatic™ Clostridium difficile
11633	Chromatic™ Vibrio
11634	Chromatic™ Detection opaque
11635	Chromatic™ Pseudomonas
12031	MUELLER HINTON II AGAR (120X120 mm)
12032	Mueller Hinton II Agar (Sheep Blood 5%) (120 mm x 120 mm)
12033	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L β-NAD) (120 mm x 120 mm)
13012	CLED/MACCONKEY/TSA BLOOD AGAR
13012*	CLED/MACCONKEY/TSA BLOOD AGAR
13013	BAIRD PARKER/BIGGY/MACCONKEY
13013*	BAIRD PARKER/BIGGY/MACCONKEY
13014	COLUMBIA CNA/CIOCCOLATO/THAYER MARTIN
13014*	COLUMBIA CNA/CIOCCOLATO/THAYER MARTIN
13017	CLED/MACCONKEY MMG/MALTO
13017*	CLED/MACCONKEY MMG/MALTO
13018	BROM CRESOL PURPLE/COLUMBIA CNA/M.CONKEY
13018*	BROM CRESOL PURPLE/COLUMBIA CNA/M.CONKEY
13019	CLED/MACCONKEY/CETRIMIDE
13019*	CLED/MACCONKEY/CETRIMIDE
13020	MAC CONKEY/B.PARKER/TSA BLOOD
13345	GARDNERELLA V./ROGOSA/THAYER MARTIN
13345*	GARDNERELLA V./ROGOSA/THAYER MARTIN
13356	Gard.V. / Chocolate / Thayer Martin
13371	BAIRD PARKER/MACCONKEY/SABOURAUD CAF
13371*	BAIRD PARKER/MACCONKEY/SABOURAUD CAF
13480	MACCONKEY/VOGEL JOHNSON/SABOURAUD
13480*	MACCONKEY/VOGEL JOHNSON/SABOURAUD
13602	SABOURAUD CAF/BAIRD PARKER/BILE ESCULINE
13602*	SABOURAUD CAF/BAIRD PARKER/BILE ESCULINE
13607	CHOC. BAC./COLUMBIA/MAC CONKEY
13607*	CHOC. BAC./COLUMBIA/MAC CONKEY
13614	CLED/MACCONKEY/ENTEROCOCCO
13614*	CLED/MACCONKEY/ENTEROCOCCO
165312	MYCOPLASMA AGAR
18007	CHROMATIC™ STAPH AUREUS/ MRSA
18008	TSA BLOOD/CROMagar ORIENTATION
18008*	TSA BLOOD/CROMagar ORIENTATION
18009	Chromatic™ Salmonella/Hektoen Enteric
18011	CHROMATIC™ DETECTION/ESBL
18012	BRILLIANT GREEN / SS AGAR
18012*	BRILLIANT GREEN / SS AGAR
18015	BIGGY (NICKERSON) / MALT AGAR
18015*	BIGGY (NICKERSON) / MALT AGAR
18017	COLUMBIA CNA BLOOD/CHROMAGAR
18017*	COLUMBIA CNA BLOOD/CHROMAGAR
18018	MAC CONKEY/ SABOURAUD CAF
18020	EMB LEVINE / TSA BLOOD
18020*	EMB LEVINE / TSA BLOOD
18021	Chromatic™ CRE / Chromatic™ ESBL
18021*	Chromatic™ CRE / Chromatic™ ESBL
18022	TSA Blood/Columbia CNA
18023	Chromatic™ CRE / Chromatic™ OXA-48
18024	MSA / Chromatic™ MRSA
18025	Schaedler K / Schaedler KKV
18327	COLUMBIA CNA / MAC CONKEY
18327*	COLUMBIA CNA / MAC CONKEY

18379	GARDNERELLA V. / THAYER MARTIN
18379*	GARDNERELLA V. / THAYER MARTIN
18380	MAC CONKEY / TSA BLOOD
18380*	MAC CONKEY / TSA BLOOD
18390	BAIRD PARKER / SABOURAUD CAF
18390*	BAIRD PARKER / SABOURAUD CAF
18391	HEKTOEN ENTERIC / YERSINIA
18391*	HEKTOEN ENTERIC / YERSINIA
18422	COLUMBIA CNA / GARDNERELLA
18422*	COLUMBIA CNA / GARDNERELLA
18500	BAIRD PARKER / MAC CONKEY
18500*	BAIRD PARKER / MAC CONKEY
18502	CLED / MAC CONKEY
18502*	CLED / MAC CONKEY
18503	HEKTOEN ENTERIC / SS
18503*	HEKTOEN ENTERIC / SS
18505	MAC CONKEY / S.S.AGAR
18505*	MAC CONKEY / S.S.AGAR
18507	COLUMBIA CNA / CHOCOLATE
18507*	COLUMBIA CNA / CHOCOLATE
18595	D.T.M. / SABOURAUD
18595*	D.T.M. / SABOURAUD
18700	Group A Selective/TSA II + Sheep Blood 5%
18703	CHOCOLATE AGAR /THAYER MARTIN
20075	MAC CONKEY BROTH(7516MC2) 20x5ml
20077	PHYSIOLOGICAL SOLUTION 2.5 ml
20079	PHYSIOLOGICAL SOLUTION 4.5 ML
20081	INOCULUM SOLUTION 5 ML
20089	SUSPENSION BROTH
20090	HELICOBACTER PYLORI TEST
20095	PHYSIOLOGICAL SOLUTION
20105	Glucose Broth
20121	INOCULUM BROTH 7 ML
20129	TRYPTIC SOY BROTH 15 ml
20140	PURPLE LACTOSE BROTH
20156	SUSPENSION MEDIUM 7 ML
20158	MYCOPLASMA TRANSPORT BROTH
20159	TRICHOMONAS BROTH w/o CLORAMPHENICOL
20171	Thioglycollate Medium w Vit.K1 & Hemin
20340	VAGITUBE
21241	Fluid Thioglycollate Medium
22130	SCHAEDLER BROTH
23001	F.B. FASTIDIOUS BROTH
23002	MUELLER HINTON BROTH w HORSE BLOOD (11ml)
23003	MUELLER HINTON BROTH
24070	MYCOSEL BROTH 20PV
24071	Cooked Meat Medium
24091	HAEMOPHILUS TEST BROTH 20 PV
24098	PEPTONE WATER 20PV
24100	Alkaline Peptone Water
24103	NUTRIENT BROTH 20PV
24104	BRAIN HEART INFUSION BROTH 20PV
24105	Glucose Broth
24107	MUELLER HINTON II BROTH 20 PV
24108	MULLER KAUFFMANN BROTH 20PV
24109	Sabouraud Dextrose Broth
24110	Selenite Broth
24111	TODD HEWITT BROTH 20PV
24112	TRYPTOSE BROTH 20PV
24115	TRICHOMONAS BROTH 20PV

24117	Pergola Broth
24119	GN HAJNA BROTH 20PV
24120	BILE AESCULIN BROTH 20PV
24124	Fluid Thioglycollate Medium
24125	SERUM BROTH 20PV
24127	Fluid Thioglycollate Medium + 1% Tween 80
24128	TRYPTIC SOY BROTH + TWEEN 80 1% 20PV
24135	SALMONELLA DIFFERENTIAL BROTH 20PV
24136	TRYPTONE WATER 20PV
24137	MALONATE BROTH 20PV
24139	LYSINE DECARBOXYLASE BROTH 20PV
24141	BRAIN HEART INFUSION BROTH 2 ml 20PV
24142	PHYSIOLOGICAL SOLUTION 3ml 20PV
24143	Selenite Broth
24144	TODD HEWITT w Gentam/Nalidixic acid 20PV
24145	TODD HEWITT B. w Colistin/Nalid.a. 20PV
24146	THIOGLYCOLLATE M w/o INDICATOR acc.USP 20PV
24147	Thiogycollate Bile
24149	MR-VP MEDIUM 20PV
24161	Sabouraud Dextrose Broth + CAF
24241	Fluid Thioglycollate Medium
24342	Motility Test Medium
24343	MIU Semisolid Agar
24345	O.F. Medium with Glucose
24400	RAPPAPORT VASSILIADIS SOY (RSV) BROTH 20PV
24403	BIOTONE BROTH 20PV
24404	CAMPYLOBACTER BROTH 20PV
24411	S.F. BROTH 20PV
24412	STREPTOCOCCUS BROTH 20PV
24413	MOSSEL AND MARTIN w MANNITOL 20PV
24416	UREA BROTH 20PV
24417	Wilkins Chalgren Broth
24430	SCHAEDLER BROTH 20PV
24432	YERSINIA BROTH 20PV
24433	EUGON BROTH 20PV
24436	MIDDLEBROOK 7H9 BROTH 20PV
24446	PHENOL RED BROTH 20PV
24450	Rappaport Broth w/o Soy
24451	Tetrathionate Broth
24459	CASO BROTH (Double Concentration) CE 20PV
24461	RPMI Broth
24462	RPMI Broth (double strength)
24471	Listeria Motility Medium
24513	TRYPTIC SOY BROTH (Harm.EP)
24514	TRYPTIC SOY BROTH
24516	UREA BROTH
26105	Glucose Broth
26124	Fluid Thioglycollate Medium 100 x 10 ml
26342	Motility Test Medium
26400	RAPPAPORT VASSILIADIS SOY (RSV) BROTH
26475	Tryptic Soy Agar
26513	Tryptic Soy Broth
27001	GESA MEDIUM
27500	Triptic Soy Broth
27501	Todd Hewitt Broth
27502	Brain Heart Infusion Broth
27503	Nutrient Broth
29000	CHECK-SET BROTH Irradiated 20 Test
30007	CAMPYLOBACTER SELECTIVE THIOGLYCOLLATE MEDIUM
30008	CLOSTRIDIUM AGAR (Sheep Blood 5%)

30009	HELICOBACTER PYLORI AGAR
30010	STREPTOCOCCAL KF + TTC AGAR
30011	SIMMONS CITRATE AGAR
30013	NITRATI AGAR
30014	MOSSEL AGAR
30022	T.C.B.S. AGAR
30023	Sabouraud CAF Agar
30024	SABOURAUD CAF + ACTIDIONE AGAR
30030	M.R.S. AGAR
30080	BORDET GENGOU AGAR (Sheep Blood 15%)
30081	CHRISTENSEN UREA AGAR
30082	Tryptic Soy Agar
30083	NUTRIENT AGAR
30084	BRAIN HEART INFUSION AGAR
30085	PHENYLALANINE AGAR
30087	KLIGLER IRON AGAR
30088	KLIGLER IRON AGAR + NaCl 2%
30090	Mueller Hinton II Agar
30091	BIGGY (NICKERSON) AGAR
30093	SABOURAUD AGAR
30095	SIM MEDIUM
30096	T.S.I. AGAR
30097	Tryptose Agar
30098	LYSINE IRON AGAR
30099	Chocolate Agar
30116	LOEFFLER MEDIUM
30117	PERGOLA MEDIUM
30118	Lowenstein Jensen Medium
30119	LOWENSTEIN JENSEN MEDIUM w/o GLYCEROL
30121	Stonebrink Medium
30125	DORSET EGG MEDIUM
30368	MIDDLEBROOK 7H10 AGAR
31023	Sabouraud CAF Agar
31065	SPS Agar
31075	Mueller Hinton II Agar
31082	Tryptic Soy Agar
31083	Nutrient Agar ISO 16266
31090	Mueller Hinton II Agar
31097	Tryptose Agar
31099	Chocolate Agar
31121	Stonebrink Medium
31204	MIU Agar
33040	THAYER MARTIN AGAR
33055	MYCOSEL AGAR
33060	SERUM TELLURITE AGAR
33066	O.N.P.G. AGAR
33085	BILE AESCULIN AGAR
33086	DERMATOPHYTE (D.T.M.) AGAR
33118	I.U.T.M. MEDIUM
33120	PETRAGNANI MEDIUM
34070	CAMPYLOBACTER AGAR
34071	CYSTINE TRYPTIC AGAR (CTA)
34075	Mueller Hinton II Agar
34121	LOWENSTEIN JENSEN + RIFAMPICIN 15 µg/mL
34121/1	LOWENSTEIN JENSEN + RIFAMPICIN 5 µg/mL
34121/2	LOWENSTEIN JENSEN + RIFAMPICIN 10 µg/mL
34121/3	LOWENSTEIN JENSEN + RIFAMPICIN 25 µg/mL
34121/4	LOWENSTEIN JENSEN + RIFAMPICIN 50 µg/mL
34121/5	LOWENSTEIN JENSEN + RIFAMPICIN 40 µg/mL
34121/6	LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL

34122	LOWENSTEIN JENSEN + RIFAPENTIN 9 µg/mL
34123	LOWENSTEIN JENSEN + ISONIAZID 0.1 µg/mL
34123/1	LOWENSTEIN JENSEN + ISONIAZID 0.2 µg/mL I
34123/2	LOWENSTEIN JENSEN + ISONIAZID 1 µg/mL
34123/3	LOWENSTEIN JENSEN + ISONIAZID 5 µg/mL
34123/4	LOWENSTEIN JENSEN + ISONIAZID 10 µg/mL
34124/1	LOWENSTEIN JENSEN + PYRAZINAMIDE 5 µg/mL
34124/2	LOWENSTEIN JENSEN + PYRAZINAMIDE 15 µg/mL
34124/3	LOWENSTEIN JENSEN + PYRAZINAMIDE 20 µg/mL
34124/4	LOWENSTEIN JENSEN+PYRAZINAMIDE 200 µg/mL
34125/1	LOWENSTEIN JENSEN + STREPTOMYCIN 4 µg/mL
34125/2	LOWENSTEIN JENSEN + STREPTOMYCIN 10 µg/mL
34125/3	LOWENSTEIN JENSEN + STREPTOMYCIN 25 µg/mL
34125/4	LOWENSTEIN JENSEN + STREPTOMYCIN 2 µg/mL
34125/5	LOWENSTEIN JENSEN + STREPTOMYCIN 50 µg/mL
34126/1	LOWENSTEIN JENSEN + ETHAMBUTOL 2 µg/mL
34126/2	LOWENSTEIN JENSEN + ETHAMBUTOL 4 µg/mL
34126/3	LOWENSTEIN JENSEN + ETHAMBUTOL 5 µg/mL
34126/4	LOWENSTEIN JENSEN + ETHAMBUTOL 1 µg/mL
34126/5	LOWENSTEIN JENSEN + ETHAMBUTOL 3 µg/mL
34126/6	LOWENSTEIN JENSEN + ETHAMBUTOL 10 µg/mL
34127	LOWENSTEIN JENSEN + AMIKACIN 5 µg/mL
34127/1	LOWENSTEIN JENSEN + AMIKACIN 40 µg/mL
34128/1	LOWENSTEIN JENSEN + OFLOXACIN 5 µg/mL
34128/2	LOWENSTEIN JENSEN + OFLOXACIN 10 µg/mL
34128/3	LOWENSTEIN JENSEN + OFLOXACIN 25 µg/mL
34128/4	LOWENSTEIN JENSEN + OFLOXACIN 2 µg/mL
34128/5	LOWENSTEIN JENSEN + OFLOXACIN 20 µg/mL
34129/1	LOWENSTEIN JENSEN + PAS 1 µg/mL
34129/2	LOWENSTEIN JENSEN + PAS 10 µg/mL
34129/3	LOWENSTEIN JENSEN + PAS 0.5 µg/mL
34129/4	LOWENSTEIN JENSEN + PAS 0.1 µg/mL
34129/5	LOWENSTEIN JENSEN + PAS 5 µg/mL
34130/1	LOWENSTEIN JENSEN + RIFABUTIN 10 µg/mL
34130/2	LOWENSTEIN JENSEN + RIFABUTIN 30 µg/mL
34130/3	LOWENSTEIN JENSEN + RIFABUTIN 50 µg/mL
34131/1	LOWENSTEIN JENSEN+CLARITHROMICIN 4 µg/mL
34131/2	LOWENSTEIN JENSEN+CLARITHROMYCIN 32 µg/mL
34132/1	LOWENSTEIN JENSEN + ETHIONAMIDE 10 µg/mL
34132/2	LOWENSTEIN JENSEN + ETHIONAMIDE 20 µg/mL
34132/3	LOWENSTEIN JENSEN + ETHIONAMIDE 30 µg/mL
34132/4	LOWENSTEIN JENSEN + ETHIONAMIDE 40 µg/mL
34135/1	LOWENSTEIN JENSEN + NICOTINAMIDE 10 µg/mL
34135/2	LOWENSTEIN JENSEN + NICOTINAMIDE 20 µg/mL
34135/3	LOWENSTEIN JENSEN + NICOTINAMIDE 30 µg/mL
34136	LOWENSTEIN JENSEN + PEFLOXACIN 2 µg/mL
34137/1	LOWENSTEIN JENSEN + CYCLOSERINE 30 µg/mL
34137/2	LOWENSTEIN JENSEN + CYCLOSERINE 10 µg/mL
34137/3	LOWENSTEIN JENSEN + CYCLOSERINE 20 µg/mL
34137/4	LOWENSTEIN JENSEN + CYCLOSERINE 40 µg/mL
34137/5	LOWENSTEIN JENSEN + CYCLOSERINE 50 µg/mL
34138/1	LOWENSTEIN JENSEN + CAPREOMYCIN 10 µg/mL
34138/2	LOWENSTEIN JENSEN + CAPREOMYCIN 40 µg/mL
34138/3	LOWENSTEIN JENSEN + CAPREOMYCIN 20 µg/mL
34138/4	LOWENSTEIN JENSEN + CAPREOMYCIN 30 µg/mL
34139/1	LOWENSTEIN JENSEN + CLOFAZIMINE 5 µg/mL
34139/2	LOWENSTEIN JENSEN + CLOFAZIMINE 10 µg/mL
34143/1	LOWENSTEIN JENSEN + KANAMYCIN 10 µg/mL
34143/2	LOWENSTEIN JENSEN + KANAMYCIN 20 µg/mL
34143/3	LOWENSTEIN JENSEN + KANAMYCIN 30 µg/mL

34144	LOWENSTEIN JENSEN + PYRUVATE 0.2%
34145	LOW.JENSEN + PACT
34146/1	Lowenstein Jensen + Levofloxacin 2 µg/ml
35000	LOWENSTEIN JENSEN MEDIUM
35001	LOWENSTEIN JENSEN + ISONIAZID 0.20 µg/mL
35002	LOWENSTEIN JENSEN + ISONIAZID 1 µg/ml
35010	LOWENSTEIN JENSEN + RIFAMPICIN 40 µg/mL
35011	LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL
35020	LOWENSTEIN JENSEN + STREPTOMYCIN 4 µg/mL
35021	LOWENSTEIN JENSEN + STREPTOMYCIN 10µg/ml
35030	LOWENSTEIN JENSEN + ETHAMBUTOL 2 µg/mL
35040	LOWENSTEIN JENSEN + ETHIONAMIDE 20 µg/mL
35041	LOWENSTEIN JENSEN + ETHIONAMIDE 30µg/ml
35050	LOWENSTEIN JENSEN + PYRAZINAMIDE 1 µg/mL
35060	LOWENSTEIN JENSEN + KANAMYCIN 20 µg/mL
35061	LOWENSTEIN JENSEN + KANAMYCIN 30µg/ml
35070	LOWENSTEIN JENSEN + PAS 1 µg/mL
35071	LOWENSTEIN JENSEN + PAS 0.5 µg/mL
35080	LOWENSTEIN JENSEN + OFLOXACIN 2 µg/ml
35081	LOWENSTEIN JENSEN + OFLOXACIN 10 µg/ml
35082	LOWENSTEIN JENSEN + OFLOXACIN 40 µg/ml
35090	LOWENSTEIN JENSEN + CAPREOMYCIN 30 µg/ml
35091	LOWENSTEIN JENSEN + CAPREOMYCIN 20 µg/ml
35147	LOWENSTEIN JENSEN + PNB 500 µg/ml
35148	LOWENSTEIN JENSEN + TCH 2 µg/ml
36001/1	IUTM + STREPTOMYCIN 2 µg/mL
36001/2	IUTM + STREPTOMYCIN 4 µg/mL
36001/3	IUTM + STREPTOMYCIN 10 µg/mL
36001/4	IUTM + STREPTOMYCIN 25 µg/mL
36001/5	IUTM + STREPTOMYCIN 50 µg/mL
36002/1	IUTM + ISONIAZID 0.1 µg/mL
36002/2	IUTM + ISONIAZID 0.2 µg/mL
36002/3	IUTM + ISONIAZID 1 µg/mL
36002/4	IUTM + ISONIAZID 5 µg/mL
36002/5	IUTM + ISONIAZID 10 µg/mL
36003/1	IUTM + ETHAMBUTOL 1 µg/mL
36003/2	IUTM + ETHAMBUTOL 2 µg/mL
36003/3	IUTM + ETHAMBUTOL 3 µg/mL
36003/4	IUTM + ETHAMBUTOL 5 µg/mL
36003/5	IUTM + ETHAMBUTOL 10 µg/mL
36004/1	IUTM + RIFAMPICIN 5 µg/mL
36004/2	IUTM + RIFAMPICIN 10 µg/mL I
36004/3	IUTM + RIFAMPICIN 20 µg/mL
36004/4	IUTM + RIFAMPICIN 40 µg/mL
36004/5	IUTM + RIFAMPICIN 50 µg/mL
36005/1	IUTM + RIFABUTIN 10 µg/mL
36005/2	IUTM + RIFABUTIN 20 µg/mL
36005/3	IUTM + RIFABUTIN 30 µg/mL
36005/4	IUTM + RIFABUTIN 40 µg/mL
36005/5	IUTM + RIFABUTIN 50 µg/mL
36006/1	IUTM + CYCLOSERINE 10 µg/mL
36006/2	IUTM + CYCLOSERINE 20 µg/mL
36006/3	IUTM + CYCLOSERINE 30 µg/mL
36006/4	IUTM + CYCLOSERINE 40 µg/mL
36006/5	IUTM + CYCLOSERINE 50 µg/mL
36007/1	IUTM + OFLOXACIN 1.25 µg/mL
36007/2	IUTM + OFLOXACIN 2.5 µg/mL
36007/3	IUTM + OFLOXACIN 10 µg/mL
36007/4	IUTM + OFLOXACIN 25 µg/mL
36007/5	IUTM + OFLOXACIN 50 µg/mL

36008/1	IUTM + PAS 0.1 µg/mL
36008/2	IUTM + PAS 0.5 µg/mL
36008/3	IUTM + PAS 1 µg/mL
36008/4	IUTM + PAS 5 µg/mL
36008/5	IUTM + PAS 10 µg/mL
36009/1	IUTM + PYRAZINAMIDE 10 µg/mL
36009/2	IUTM + PYRAZINAMIDE 30 µg/mL
36009/3	IUTM + PYRAZINAMIDE 50 µg/mL
36009/4	IUTM + PYRAZINAMIDE 70 µg/mL
36009/5	IUTM + PYRAZINAMIDE 90 µg/mL
37000	MIDDLEBROOK 7H11
37001	MIDDLEBROOK 7H11 + AMIKACIN 2 µg/mL
37002	MIDDLEBROOK 7H11 + AMIKACIN 4 µg/mL
37006	MIDDLEBROOK 7H11 + ETHAMBUTOL 7.5 µg/mL
37011	MIDDLEBROOK 7H11 + ETHIONAMIDE 10 µg/mL
37016	MIDDLEBROOK 7H11 + ISONIAZIDE 0.2 µg/mL
37017	MIDDLEBROOK 7H11 + ISONIAZIDE 1 µg/mL
37021	MIDDLEBROOK 7H11 + KANAMYCIN 6 µg/mL
37026	MIDDLEBROOK 7H11 + PAS 8 µg/mL
37031	MIDDLEBROOK 7H11 + PYRAZINAMIDE 25 µg/mL
37036	MIDDLEBROOK 7H11 + RIFABUTIN 1 µg/mL
37037	MIDDLEBROOK 7H11 + RIFABUTIN 0.5 µg/mL
37041	MIDDLEBROOK 7H11 + RIFAMPICIN 1 µg/mL
37046	MIDDLEBROOK 7H11 + STREPTOMYCIN 2 µg/mL
37051	MIDDLEBROOK 7H11 + OFLOXACIN 2 µg/mL
37056	MIDDLEBROOK 7H11 + CYCLOSERINE 30 µg/mL
400020	Fluid Thioglycollate Medium 6 x 100 ml
400120	Fluid Thioglycollate Medium 6 x 300 ml
400220	Fluid Thioglycollate Medium 6 x 1000 ml
401890	BUFFER SOLUTION pH 7 6X100 ml
401930	SPS Agar 6X150 ml
401980	TRYPTONE WATER 6X100 ml
401990	Alkaline Peptone Water 6 x 100 ml
402000	NUTRIENT BROTH 6X100 ml
402020	MUELLER HINTON II BROTH 6X100 ml
402030	MULLER KAUFFMANN BROTH 6X100 ml
402040	Sabouraud Dextrose Broth 6 x 100 ml
402050	Selenite Broth 6 x 100 ml
402060	SALMONELLA DIFF.BROTH 6X90 ml
402070	TRYPTOSE BROTH 6X100 ml
402120	MRS AGAR 6X100 ml
402130	PEPTONE WATER 6X100 ml
402140	BLOOD AGAR BASE 6X100 ml
402170	AZIDE BLOOD AGAR BASE 6X100 ml
402180	CLED AGAR 6X100 ml
402190	NUTRIENT AGAR 6X100 ml
402200	DERMATHOPHYTE (D.T.M.) AGAR 6X100 ml
402210	COLUMBIA CNA AGAR BASE 6X100 ml
402220	DRIGALSKI LACTOSE AGAR 6X100 ml
402230	HEKTOEN ENTERIC AGAR 6X100 ml
402240	MAC CONKEY AGAR 6X100 ml
402250	MUELLER HINTON II AGAR 6X100 ml
402270	PSEUDOMONAS CETRIMIDE AGAR 6X100 ml
402280	SABOURAUD AGAR 6X100 ml
402290	MANNITOL SALT AGAR 6X100 ml
402300	S.S. AGAR 6X100 ml
402320	TRYPTOSE AGAR 6X100 ml
402330	BRILLIANT GREEN AGAR 6X100 ml
402340	DESOXYCHOLATE AGAR 6X100 ml
402350	E.M.B. LEVINE AGAR 6X100 ml

402360	SALMONELLA RAPID TEST 6X100 ml
402370	SABOURAUD CAF AGAR 6X100 ml
402380	BRAIN HEART INFUSION AGAR 6X100 ml
402430	PEPTONE DILUITIONS 6X100 ml
402450	MAC CONKEY SORBITOL AGAR 6X100 ml
402500	Fluid Thioglycollate Medium + 1% Tween 80
402570	X.L.D. AGAR 6X100 ml
403030	BIOTONE BROTH 6X100 ml
403050	S.I.M. MEDIUM 6X100 ml
403060	UREA INDOLE BROTH 6X100 ml
403130	Monsur Agar 6 x 100 ml
403140	TCBS Agar 6 x 100 ml
412010	BRAIN HEART INFUSION BROTH 6X200 ml
412030	SIMMONS CITRATE AGAR 6X200 ml
412040	LYSINE IRON AGAR 6X200 ml
412050	Selenite Broth 6 x 200 ml
412060	TODD HEWITT BROTH 6X200 ml
412080	TRICHOMONAS BROTH 6X200 ml
412100	CHRISTENSEN UREA AGAR 5X200 ml
412110	TRYPTIC SOY BROTH + TWEEN80 1% 6x200ml
412130	PSEUDOMONAS AGAR BASE 6x200ml
412150	AZIDE BLOOD AGAR BASE 6X200 ml
412170	PHENILALANINE AGAR 6X200 ml
412180	CLED AGAR 6X200 ml
412190	NUTRIENT AGAR 5X200 ml
412210	COLUMBIA CNA AGAR BASE 6X200 ml
412230	HEKTOEN ENTERIC AGAR 6X200 ml
412240	MAC CONKEY AGAR 6X200 ml
412250	MUELLER HINTON II AGAR 6X200 ml
412270	PSEUDOMONAS CETRIMIDE AGAR 6X200 ml
412280	SABOURAUD AGAR 6X200 ml
412290	MANNITOL SALT AGAR 6X200 ml
412300	S.S. AGAR 6X200 ml
412370	SABOURAUD CAF AGAR 5X200 ml
413010	ISOSENSITEST AGAR 6X200 ml
413030	CAMPYLOBACTER AGAR 6X200 ml
413040	CLOSTRIDIUM AGAR BASE 6X200 ml
413080	NUTRIENT AGAR acc. to ISO 6579
413130	Nutrient Agar semisolid 6 x 200 ml
414010	PEPTONE WATER pH 8.4 + NaCl 1% 6X225 ml
432050	Selenite Broth (Double Concentration)
432080	TRYPTIC SOY BROTH 6X225 ml
432250	D-Nase TEST AGAR 6X200 ml
432290	Tryptic Soy Agar 6 x 200 ml
442080	TRYPTIC SOY BROTH 6X200 ml
442220	Chocolate Agar 6x 100 ml
442280	SABOURAUD MODIFIED AGAR 6X100 ml
442290	Tryptic Soy Agar 6 x 100 ml
442300	WURTZ LACTOSE AGAR 6X100 ml
442320	BILE AESCULIN AGAR 6X100 ml
442350	BIGGY (NICKERSON) AGAR 6X100 ml
442490	SPS AGAR 6X100 ml
451404	Alkaline Peptone Water 25 x 225 ml
452040	Sabouraud Dextrose Broth 25 x 100 mL
452060	Fluid Thioglycollate Medium 6 x 100 ml
452080	TRYPTIC SOY BROTH 6X100 ml
452210	COLUMBIA AGAR BASE 6X200 ml
452500	Fluid Thioglycollate Medium + 1% Tween 80 25 x 100 ml
453080	Fluid Thioglycollate Medium 25 x 100 ml
463100	Fluid Thioglycollate Medium 6 x 900 ml

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS
Rev. 32.1 del 07.06.2017

463130	Selenite Broth 6 x 1000 ml
470010	Tryptic Soy Agar 6 x 500 ml
470020	Selenite Broth 6 x 500 ml
470030	DESOXYCHOLATE AGAR 6X500 ml
470040	SABOURAUD AGAR 6X500 ml
470050	NUTRIENT BROTH 6X500 ml
470060	NUTRIENT AGAR 6X500 ml
470070	Mueller Hinton II Agar 6X500 ml
470080	MANNITOL SALT AGAR 6X500 ml
470090	MAC CONKEY AGAR 5X500 ml
470100	COLUMBIA AGAR BASE 6X500 ml
470110	CLED AGAR 6X500 ml
470120	Chocolate Agar 6 x 500 ml
470130	BLOOD AGAR BASE 6X500 ml
470140	BILE AESCULIN AGAR 6X500 ml
470150	TRICHOMONAS BROTH 6X500 ml
470160	DESOXYCHOLATE CITRATE AGAR 6X500 ml
470210	Alkaline Peptone Water 6 x 500 ml
470220	CZAPEK DOX AGAR 6X500 ml
470280	DRIGALSKI LACTOSE AGAR 6X500 ml
470290	CARY BLAIR TRANSPORT MEDIUM 6X500 ml
470300	Fluid Thioglycollate Medium 6 x 500 ml
470320	PEPTONE WATER 6X500 ml
470370	TRYPTIC SOY BROTH 6 x 500 ml
471070	Sabouraud Dextrose Broth 6 x 500 ml
471120	PHYSIOLOGICAL SOLUTION 6X240 ml
473000	PHYSIOLOGICAL SOLUTION 6X500 ml
481110	CHROMATIC™ CANDIDA 6X100 ml
481130	CHROMATIC™ DETECTION 6X100 ml
481140	CHROMATIC™ SALMONELLA 6X100 ml
481160	CHROMATIC™ STAPH AUREUS 6X100 ml
481180	CHROMATIC™ STREP B 6X100ml
482190	Chromatic™ E.coli O157 6 x 200 ml
490010	HEMO-AEROBIC culturing 6X80 ml
490020	HEMO-ANAEROBIC culturing 6X80 ml
490030	HEMO-AEROBIC culturing-Pediatric 6X40 ml
490040	HEMO-ANAEROBIC culturing-Pediatric 6X40ml
490050	HEMO-AEROBIC culturing NEONATAL 6x9 ml
490060	HEMO-ANAEROBIC culturing NEONATAL 6x9 ml
493000	Fluid Thioglycollate Medium 6 x 100 ml
495010	TRYPTIC SOY BROTH 6x100 ml
495020	Fluid Thioglycollate Medium 6 x 100 ml
500142	URITEST PENTA
500152	URITEST
500182	URITEST M
500702	URITEST EF
50020	VAGITEST
50021	DERMATEST
500232	URITEST N
500302	URITEST 2
500402	URITEST MALTO
500412	URITEST EC
51014	URITEST PENTA
51015	URITEST
51018	URITEST M
51020	VAGITEST 120 slide
51021	DERMATEST
51023	URITEST N
51024	URITEST C
51030	URITEST 2

51040	URITEST MALTO
51041	URITEST EC
51070	URITEST EF
51118	URITEST M
51123	URITEST N 500 slide
51130	URITEST 2 500 slide
51140	URITEST MALTO
51170	CLED/MAC CONKEY/ BILE AESCULIN
52115	CLED/MAC CONKEY/SLANETZ 120 slide
52119	URITEST SF 500 slide
610001	BILE AESCULIN AZIDE AGAR
610002	DEXTROSE AGAR
610005	BLOOD AGAR BASE
610006	BORDET GENGOU AGAR BASE
610007	BRAIN HEART INFUSION AGAR
610008	BRAIN HEART INFUSION BROTH
6100085	BRAIN HEART INFUSION BROTH
610009	BRILLIANT GREEN AGAR
610012	CLED AGAR
6100125	CLED AGAR
610013	COLUMBIA AGAR BASE
6100135	COLUMBIA AGAR BASE
610014	DESOXYCHOLATE AGAR
6100145	DESOXYCHOLATE AGAR
610015	DESOXYCHOLATE CITRATE AGAR
610016	DRIGALSKI LACTOSE AGAR
610019	E.M.B. LEVINE AGAR
610021	HEKTOEN ENTERIC AGAR
6100215	HEKTOEN ENTERIC AGAR
610022	G.C. MEDIUM
610023	KLIGLER IRON AGAR
610024	M.R.S. AGAR (ISO/FDIS 15214)
610025	M.R.S. BROTH (ISO/FDIS 15214)
610026	LOWENSTEIN JENSEN MEDIUM
6100265	LOWENSTEIN JENSEN MEDIUM
610027	LYSINE IRON AGAR
610028	MAC CONKEY AGAR
6100285	MAC CONKEY AGAR
610029	MANNITOL SALT AGAR
6100295	MANNITOL SALT AGAR
610032	MR-VP BROTH
610033	MUELLER HINTON AGAR
6100335	MUELLER HINTON AGAR
610034	MUELLER HINTON BROTH
610035	MULLER KAUFFMANN BROTH
610036	Nutrient Agar ISO 16266
6100365	Nutrient Agar ISO 16266
610037	NUTRIENT BROTH
6100375	NUTRIENT BROTH
610038	PEPTONE WATER
610039	PHENYLALANINE AGAR
610041	PSEUDOMONAS CETRIMIDE AGAR (ISO 8360-1)
6100415	PSEUDOMONAS CETRIMIDE AGAR
610042	SS AGAR (MODIFIED)
6100425	SS AGAR (MODIFIED)
610043	SCHAEDLER AGAR BASE
610044	PURPLE LACTOSE AGAR
610046	SIMMONS CITRATE AGAR
610047	MONSUR AGAR
610048	AEROMONAS AGAR BASE

610049	LEGIONELLA BCYE AGAR BASE (ISO 11731)
610050	Fluid Thioglycollate Medium
6100505	Fluid Thioglycollate Medium
610051	TODD HEWITT BROTH
6100515	TODD HEWITT BROTH
610052	Tryptic Soy Agar
6100525	Tryptic Soy Agar
610053	TRYPTIC SOY BROTH
6100535	TRYPTIC SOY BROTH
610055	T.S.I. AGAR USP
610056	CLOSTRIDIUM BROTH
6100565	CLOSTRIDIUM BROTH
610057	MAC CONKEY AGAR No.2
6100575	MAC CONKEY AGAR No.2 5 KG
610060	X.L.D. AGAR (ISO 6579)
6100605	X.L.D. AGAR
610061	TRICHOMONAS BROTH
610065	GSB AGAR BASE (ISLAM)
610071	PSEUDOMONAS AGAR BASE
610072	CZAPEK DOX BROTH
610075	PHENYLALANINE MALONATE BROTH
610079	BRUCELLA AGAR BASE
610080	WORT BROTH W/O NaCl
610092	XLT 4 AGAR
610095	CZAPEK DOX AGAR
610096	REINFORCED CLOSTRIDIAL AGAR
610097	STAPHYLOCOCCUS BROTH
610098	Alkaline Peptone Water
610101	MALT AGAR
610103	SABOURAUD AGAR
6101035	SABOURAUD AGAR
610104	Sabouraud Dextrose Broth
610107	UREA AGAR BASE (ISO 6785)
610108	MAC CONKEY SORBITOL AGAR
610109	P.P.L.O. BROTH
610110	MUELLER HINTON AGAR MODIFIED
610111	YERSINIA SELECTIVE AGAR BASE
610112	CLED ANDRADE AGAR
610113	COLUMBIA CNA AGAR BASE
610114	BACILLUS CEREUS AGAR BASE (MOSSEL) ISO 7932
610115	CLOSTRIDIUM DIFFICILE AGAR BASE
610117	TRYPTONE YEAST AGAR
610118	ANDRADE LACTOSE PEPTONE WATER
610123	CORN MEAL AGAR
610125	LEGIONELLA CYE AGAR BASE
610128	MAC CONKEY AGAR w/o BILE SALT
610130	CAMPYLOBACTER BLOOD FREE MEDIUM BASE
610131	CAMPYLOBACTER ENRICHMENT BROTH BASE
610132	MOTILITY TEST AGAR
610134	SLANETZ BARTLEY AGAR BASE ISO 7899-2
610135	BIGGY (NICKERSON) AGAR
610136	BACILLUS CEREUS AGAR BASE (PEMBA)
610137	SCHAEDLER BROTH
610140	E.M.B. AGAR w LACTOSE + SUCROSE
610143	LIVER BROTH
610144	MRS BROTH w/o GLUCOSE
610145	Selenite Broth
6101455	Selenite Broth
610146	SABOURAUD MALTOSE AGAR
610147	SLANETZ AND BARTLEY AGAR + TTC
6101475	SLANETZ AND BARTLEY AGAR + TTC
610148	SPS AGAR
610151	BILE AESCULIN BROTH
610152	AMIES TRANSPORT MEDIUM + CHARC.
6101525	AMIES TRANSPORT MEDIUM + CHARC.
610153	AZIDE BLOOD AGAR BASE
610155	AZIDE VIOLET BLOOD AGAR BASE
610157	BIOTONE AGAR
610158	BIOTONE BROTH
610159	CPLM SELECTIVE WITH CAF
610160	DERMATOPHYTE (D.T.M.) AGAR
610161	DEXTROSE BROTH
610163	G.N. HAJNA BROTH
610164	HERELLEA AGAR
6101645	HERELLEA AGAR
610165	KOSER CITRATE MEDIUM
610168	LISTERIA PALCAM AGAR
610169	I.U.T.M. MEDIUM
610170	MAC CONKEY MMG AGAR
6101705	MAC CONKEY MMG AGAR
610172	MALONATE BROTH
610174	PHENOL RED BROTH BASE
610175	RAPPAPORT VASSILIADIS BROTH (ISO 6785-6579)
610176	ROGOSA AGAR
610177	ROGOSA BROTH
610179	SABOURAUD CAF AGAR + ACTIDIONE
610180	S.F. BROTH
610181	S.I.M. MEDIUM
610182	STUART TRANSPORT MEDIUM
610183	TETRATHIONATE BROTH BASE
610185	TRYPTIC (CTA) MEDIUM
610186	VOGEL JOHNSON AGAR
610188	BLOOD AGAR BASE N. 2
610191	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
6101915	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
610193	TRYPTOSE AGAR
610195	MAC CONKEY AGAR w/o CRYSTAL VIOLET
610196	TRYPTIC BILE AGAR
610197	TRYPTOFAN BROTH
610200	CAMPYLOBACTER KARMALI AGAR BASE
610203	SABOURAUD CAF AGAR
6102035	SABOURAUD CAF AGAR 5 KG
610205	DNase TEST AGAR
610206	TRYPTONE WATER (ISO/DIS 3811)
610207	CLOSTRIDIUM PERFRIGENS AGAR BASE
610210	BILE AESCULIN AGAR
610211	KLIGLER IRON AGAR MOD.
610214	MIDDLEBROOK 7H9 BROTH BASE
610217	NUTRIENT BROTH N.2
610218	Mueller Hinton II Broth
610221	ANTIBIOTIC TEST MEDIUM
610222	CLOSTRIDIUM BROTH w/o AGAR
6102225	CLOSTRIDIUM BROTH w/o AGAR
610223	MAC CONKEY AGAR w/o Salt
610227	PHENOL RED AGAR BASE
610229	ANTIBIOTIC MEDIUM E
610230	OXIDATIVE/FERMENTATIVE MEDIUM
610233	TRYPTOSE BROTH
610235	MANNITOL MOTILITY TEST MEDIUM
610236	MOTILITY INDOLE UREA AGAR (M.I.U.)

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610245	LB AGAR
610301	BISMUTH SULPHITE AGAR
610303	Lysine Decarboxylase Broth
610304	OF BASAL MEDIUM
610305	ORNITHINE DECARBOXYLASE BROTH
610306	ARGININE DECARBOXYLASE BROTH
610308	PHENOL RED AGAR BASE
610309	PSEUDOMONAS AGAR F
610310	PSEUDOMONAS AGAR P
610311	UREA BROTH
610315	ANTIBIOTIC AGAR N.11
610319	PFIZER SELECTIVE ENTEROCOCCUS AGAR
610322	NITRATE BROTH
610331	DIAGNOSTIC SENSITIVITY TEST AGAR (D.S.T.)
610339	T.S.I. AGAR acc.EP
610341	EMGON BROTH
610343	MANNITOL SALT BROTH
610353	Yeast Extract Sodium Lactate medium
610364	Tryptose Phosphate Broth
6103645	Tryptose Phosphate Broth
610372	Cooked Meat Medium
610492	POLYPEPTONE
610495	BRAIN HEART INFUSION
6104955	BRAIN HEART INFUSION
610496	ACID HYDROLISATE OF CASEIN
610497	BEEF EXTRACT
6104975	BEEF EXTRACT
610498	LACTOSE
6104985	LACTOSE
610506	CYSTINE HEART AGAR
610611	CHROMATIC™ SALMONELLA
610612	CHROMATIC™ DETECTION
6106125	CHROMATIC™ DETECTION
610613	CHROMATIC™ CANDIDA
610614	Chromatic™ E.coli O157
610615	CHROMATIC™ MRSA
610616	CHROMATIC™ STAPH AUREUS
610617	CHROMATIC™ STREP B
610625	SABOURAUD CAF (50 mg/L) AGAR
610627	MUELLER HINTON II AGAR
6106275	MUELLER HINTON II AGAR
610629	CHROMATIC™ ESBL
610633	Chromatic™ Vibrio
611000	SODIUM CHLORIDE
611001	AGAR
6110015	AGAR
611002	GELATIN BACTERIOLOGICAL
6110025	GELATIN BACTERIOLOGICAL
611003	SODIUM SELENITE
6110035	SODIUM SELENITE
611004	TRYPTONE
6110045	TRYPTONE
611005	YEAST EXTRACT
6110055	YEAST EXTRACT
611006	MALT EXTRACT
6110065	MALT EXTRACT
611007	CAMPYLOBACTER AGAR BASE
611008	TRYPTOSE
6110085	TRYPTOSE
611009	GLUCOSIO
611010	T.C.B.S. AGAR
611015	SIERRA LIPOLYTIC AGAR
611021	HEART INFUSION BROTH
6110215	HEART INFUSION BROTH
611022	MIDDLEBROOK 7H10 AGAR BASE
611203	SABOURAUD CAF (1g/l) AGAR
611210	WURTZ LACTOSE AGAR
611265	ISOSENSITEST AGAR
611366	STAPHYLOCOCCUS 110 AGAR
611367	BILE BACTERIOLOGICAL
611401	IRON SULPHITE AGAR
611402	CARY BLAIR TRANSPORT MEDIUM
611502	CASEIN PEPTONE
611601	GLUCOSE
6116015	GLUCOSE
611602	Maltose
611616	CHROMATIC™ MH
611619	CHROMATIC™ CRE AGAR BASE
611701	PEPTONE BACTERIOLOGICAL
6117015	PEPTONE BACTERIOLOGICAL
611706	Hemoglobin
611801	SUCROSE
6118015	SUCROSE
611901	BILE SALT N.3
6119015	BILE SALT N.3
612001	LIVER EXTRACT
6120015	LIVER EXTRACT
612101	PEPTONE MYCOLOGICAL
6121015	PEPTONE MYCOLOGICAL
612201	PROTEOSE PEPTONE
6122015	PROTEOSE PEPTONE
612202	STREPTOCOCCUS SELECTIVE AGAR
612203	STREPTOCOCCUS BROTH
612501	SOY PEPTONE
6125015	SOY PEPTONE
620001	BILE AESCULIN AZIDE AGAR
620002	DEXTROSE AGAR
620005	BLOOD AGAR BASE
620006	BORDET GENGOU AGAR BASE
620007	BRAIN HEART INFUSION AGAR
620008	BRAIN HEART INFUSION BROTH
620009	BRILLIANT GREEN AGAR
620012	CLED AGAR
620013	COLUMBIA AGAR BASE
620014	DESOXYCHOLATE AGAR
620015	DESOXYCHOLATE CITRATE AGAR
620016	DRIGALSKY LACTOSE AGAR
620019	E.M.B. LEVINE AGAR
620021	HEKTOEN ENTERIC AGAR
620022	G.C. MEDIUM
620023	KLIGLER IRON AGAR
620024	M.R.S. AGAR (ISO/FDIS 15214)
620025	M.R.S. BROTH (ISO/FDIS 15214)
620026	LOWENSTEIN JENSEN MEDIUM
620027	LYSINE IRON AGAR
620028	MAC CONKEY AGAR
620029	MANNITOL SALT AGAR
620032	MR-VP BROTH
620033	MUELLER HINTON AGAR
620034	MUELLER HINTON BROTH

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620035	MULLER KAUFFMANN BROTH
620036	Nutrient Agar ISO 16266
620037	NUTRIENT BROTH
620038	PEPTONE WATER
620039	PHENYLALANINE AGAR
620041	PSEUDOMONAS CETRIMIDE AGAR (ISO 8360-1)
620042	SS AGAR (MODIFIED)
620043	SCHAEDLER AGAR BASE
620044	PURPLE LACTOSE AGAR
620046	SIMMONS CITRATE AGAR
620047	MONSUR AGAR
620048	AEROMONAS AGAR BASE
620049	LEGIONELLA BCYE AGAR BASE (ISO 11731)
620050	Fluid Thioglycollate Medium
620051	TODD HEWITT BROTH
620052	Tryptic Soy Agar
620053	TRYPTIC SOY BROTH
620055	T.S.I. AGAR USP
620056	CLOSTRIDIUM BROTH
620057	MAC CONKEY AGAR No.2
620060	X.L.D. AGAR (ISO 6579)
620061	TRICHOMONAS BROTH
620065	GSB AGAR BASE (ISLAM)
620071	PSEUDOMONAS AGAR BASE
620072	CZAPEK DOX BROTH
620075	PHENYLALANINE MALONATE BROTH
620079	BRUCELLA AGAR BASE
620092	XLT 4 AGAR
620095	CZAPEK DOX AGAR
620096	REINFORCED CLOSTRIDIAL AGAR
620097	STAPHYLOCOCCUS BROTH
620098	Alkaline Peptone Water
620101	MALT AGAR
620103	SABOURAUD AGAR
620104	Sabouraud Dextrose Broth
620107	UREA AGAR BASE (ISO 6785)
620108	MAC CONKEY SORBITOL AGAR
620109	P.P.L.O. BROTH
620110	MUELLER HINTON AGAR MODIFIED
620111	YERSINIA SELECTIVE AGAR BASE
620112	CLED ANDRADE AGAR
620113	COLUMBIA CNA AGAR BASE
620114	BACILLUS CEREUS AGAR BASE (MOSSEL) ISO 7932
620115	CLOSTRIDIUM DIFFICILE AGAR BASE
620117	TRYPTONE YEAST AGAR
620118	ANDRADE LACTOSE PEPTONE WATER
620122	MIDDLEBROOK 7H10 AGAR BASE
620123	CORN MEAL AGAR
620125	LEGIONELLA CYE AGAR BASE
620130	CAMPYLOBACTER BLOOD FREE MEDIUM BASE
620131	CAMPYLOBACTER ENRICHMENT BROTH BASE
620132	MOTILITY TEST AGAR
620134	SLANETZ BARTLEY AGAR BASE ISO 7899-2
620135	BIGGY (NICKERSON) AGAR
620136	BACILLUS CEREUS AGAR BASE (PEMBA)
620137	SCHAEDLER BROTH
620140	E.M.B. AGAR w LACTOSE + SUCROSE
620143	LIVER BROTH
620144	MRS BROTH w/o GLUCOSE
620145	Selenite Broth

620146	SABOURAUD MALTOSE AGAR
620147	SLANETZ AND BARTLEY AGAR + TTC
620148	SPS AGAR
620151	BILE AESCULIN BROTH
620152	AMIES TRANSPORT MEDIUM + CHARC.
620153	AZIDE BLOOD AGAR BASE
620155	AZIDE VIOLET BLOOD AGAR BASE
620157	BIOTONE AGAR
620158	BIOTONE BROTH
620159	CPLM SELECTIVE WITHCAF
620160	DERMATOPHYTE (D.T.M.) AGAR
620161	DEXTROSE BROTH
620163	G.N. HAJNA BROTH
620164	HERELLEA AGAR
620165	KOSER CITRATE BROTH
620168	LISTERIA PALCAM AGAR
620169	I.U.T.M. MEDIUM
620170	MAC CONKEY MMG AGAR
620172	MALONATE BROTH
620174	PHENOL RED BROTH BASE
620175	RAPPAPORT VASSILIADIS BROTH
620176	ROGOSA AGAR
620177	ROGOSA BROTH
620179	SABOURAUD CAF AGAR + ACTIDIONE
620180	S.F. BROTH
620181	S.I.M. MEDIUM
620182	STUART TRANSPORT MEDIUM
620183	TETRATHIONATE BROTH BASE
620185	TRYPTIC (CTA) MEDIUM
620186	VOGEL JOHNSON AGAR
620188	BLOOD AGAR BASE N. 2
620191	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
620193	TRYPTOSE AGAR
620195	MAC CONKEY AGSAR w/o CRYSTAL VIOLET
620196	TRYPTIC BILE AGAR
620197	TRYPTOFAN BROTH
620200	CAMPYLOBACTER KARMALI AGAR BASE
620203	SABOURAUD CAF AGAR
620205	DNase TEST AGAR
620206	TRYPTONE WATER (ISO/DIS 3811)
620207	CLOSTRIDIUM PERFRIGENS AGAR BASE
620210	BILE AESCULIN AGAR
620211	KLIGLER IRON AGAR MOD.
620214	MIDDLEBROOK 7H9 BROTH BASE
620217	NUTRIENT BROTH N.2
620218	Mueller Hinton II Broth
620227	PHENOL RED AGAR BASE
620229	ANTIBIOTIC MEDIUM E
620233	TRYPTOSE BROTH
620235	MANNITOL MOTILITY TEST MEDIUM
620303	Lysine Decarboxylase Broth
620309	PSEUDOMONAS AGAR F
620311	UREA BROTH
620495	BRAIN HEART INFUSION
620496	ACID HYDROLISATE OF CASEIN
620497	BEEF EXTRACT
620498	LACTOSE
620611	CHROMATIC™ SALMONELLA
620612	CHROMATIC™ DETECTION
620613	CHROMATIC™ CANDIDA

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620614	Chromatic™ E.coli O157
620615	CHROMATIC™ MRSA
620616	CHROMATIC™ STAPH AUREUS
620617	CHROMATIC™ STREP B
620627	MUELLER HINTON II AGAR
620629	CHROMATIC™ ESBL
621000	SODIUM CHLORIDE
621001	AGAR
621003	SODIUM SELENITE
621004	TRYPTONE
621005	YEAST EXTRACT
621006	MALT EXTRACT
621007	CAMPYLOBACTER AGAR BASE
621010	TCBS AGAR
621015	SIERRA LIPOLYTIC AGAR
621021	HEART INFUSION BROTH
621022	MIDDLEBROOK 7H10 AGAR BASE
621210	WURTZ LACTOSE AGAR
621265	ISOSENSITEST AGAR
621367	BILE BACTERIOLOGICAL
621401	IRON SULPHITE AGAR
621402	CARY BLAIR TRANSPORT MEDIUM
621601	GLUCOSE
621618	CHROMATIC™ MH
621619	CHROMATIC™ CRE AGAR BASE
621701	PEPTONE BACTERIOLOGICAL
622202	STREPTOCOCCUS SELECTIVE AGAR
630025	LOWENSTEIN JENSEN MEDIUM w GLYCEROL 1 litre
71618	ENTEROSYSTEM 18R 20 Test
71619	Enterosytem 24R 20 Test
71620	Anaerobe System 20 Test
71630	STAF SYSTEM 18 R 20 Test
71670	COPRO SYSTEM 40 Test
71675	COPRO SYSTEM Plus 20 Test
71678	PATHOGENIC SYSTEM DOUBLE 40 Test
71679	PATHOGENIC SYSTEM 20 Test
71681	PATHOGENIC SYSTEM AST
71714	INTEGRAL SYSTEM ENTEROBATTERI 20 Test
71718	INTEGRAL SYSTEM STAFILOCOCCHI 20 Test
71720	INTEGRAL SYSTEM STREPTOCOCCHI 20 Test
71724	INTEGRAL SYSTEM GARDNERELLA 20 TEST
71822	INTEGRAL SYSTEM YEASTS Plus 20 Test
72560	STREPTO SYSTEM 12 R 40 Test
72592	MYCOPLASMA SYSTEM Plus 20 Test
74156	A.F. GENITAL SYSTEM 20 Test
74160	URIN SYSTEM Plus 20 Test
74161	URIN SYSTEM Chrom 20 Test
75001	SensiTest Colistin 0.25 - 16 mg/L
76010	Sensi Test gram-negative 20 Test
76020	Sensi Test gram-positive 20 Test
76031	SensiQuattro Gram-negative 20 Test
76032	SensiQuattro Gram-positive 20 Test
76033	SensiQuattro Candida EU 20 Test
78618	ENTERO PLURI TEST 10 Test
78619	ENTERO PLURI TEST 25 Test
78620	OXI/FERM PLURI TEST 10 Test
78621	OXI/FERM PLURI TEST 25 Test
79010	Sensi Test gram-negative 4 Test
79020	Sensi Test gram-positive 4 Test
79031	SensiQuattro Gram-negative 4 Test

79032	SensiQuattro Gram-positive 4 Test
79033	SensiQuattro Candida EU 4 Test
79156	A.F. GENITAL SYSTEM 4 Test
79160	URIN SYSTEM Plus 4 Test
79161	URIN SYSTEM Chrom 4 Test
79560	STREPTO SYSTEM 12 R 8 Test
79592	MYCOPLASMA SYSTEM Plus 4 Test
79618	ENTEROSYSTEM 18R 4 Test
79619	Enterosytem 24R 4 Test
79620	Anaerobe System 4 Test
79630	STAF SYSTEM 18 R 4 Test
79670	COPRO SYSTEM 8 Test
79675	COPRO SYSTEM Plus 4 Test
79678	PATHOGENIC SYSTEM DOUBLE 8 Test
79679	PATHOGENIC SYSTEM 4 Test
79681	PATHOGENIC SYSTEM AST
79714	INTEGRAL SYSTEM ENTEROBATTERI 4 Test
79718	INTEGRAL SYSTEM STAFILOCOCCHI 4 Test
79720	INTEGRAL SYSTEM STREPTOCOCCHI 4 Test
79724	INTEGRAL SYSTEM GARDNERELLA 4 Test
79822	INTEGRAL SYSTEM YEASTS Plus 4 Test
80009	IODINE MKTT SOLUTION 10 x 10 ml
80010	XLT 4 supplement 2 x 50 ml
80021	GLYCEROL supplement 4 x 50 ml
80022	POTASSIUM TELLURITE 1% suppl. 5 x 10 ml
80031	TWEEN 80 supplement 2 x 50 ml
80040	CHROMATIC™ SALMONELLA Supplement 2x50 ml
80047	MULLER KAUFFMANN 3X50 ml (Iodio/B.G.0.1%)
80053	VITAMIN K 1% supplement 5 x 5 ml
80056	LEGIONELLA growth supplement 10 vials
80057	H2O2 REAGENT 1 x 10 ml
80060	DECONTAM-KIT
80110	UREA 40% 6X100 ml
80219	EGG YOLK emulsion 4 x 50 ml
80252	ENTEROSYSTEM 18R REAGENT 100/200 Test
80253	COPRO SYSTEM REAGENTS (antisera)
80257	LISTERIA SYSTEM 18R -REAG 100/200 Test
80258	AF GENITAL SYSTEM REAGENT
80260	IDENTIF. SYSTEM-REAGENT 100/200 Test
80271	KOVAC'S REAGENT 4x25 ml
80272	FERRIC CHLORIDE 10% 2x 25 ml
80273	NINHYDRIN 7% 10 ml
80275	MIF COLOR KIT 50 Test
80276	ZIEHL-NEELSEN 3 x 250 ml
80277	METHYLENE BLUE Solution 250 ml
80279	VASELINE OIL 4 x 50 ml
80280	V.P. TEST-Reagent 10x10ml
80281	V.P. TEST EP 10 x 10 mL
80282	Kit May-Grünwald Giemsa
80290	SAFRANIN SOLUTION 1000 ml
80291	POTASSIUM TELLURITE 3.5% suppl.5x10 ml
80292	UREA 40 % supplement 10 x 5 ml
80293	GRAM COLOR KIT 4 x 250 ml
80294	KIT COLOR ALBERT 2 x 250 ml
80295	DECOLOURIZING SOLUTION 1000 ml
80296	LUGOL PVP SOLUTION 1000 ML
80298	LUGOL PVP SOLUTION 250 ml
80299	CRYSTAL VIOLET SOLUTION 1000 ml
80300	TTC 1% supplement 5 x 10 ml
80350	ANTIBIOTIC TEST

80351	RAPID ANTIBIOTIC TEST 50 Test
80380	KINYOUN COLOR KIT 2 x 250 ml
80390	FIXUR 1
80409	IODINE SOLUTION 10 x 10 ml
80410	XLT 4 SUPPLEMENT 4 x 50 ml
80422	POTASSIUM TELLURITE 1% Supplement 10 x 10 ml
80430	TTC 1% supplement 10 x 10 ml
80431	TWEEN 80 Supplement 4 x 50 ml
80453	VITAMIN K 1% SUPPLEMENT 10 x 5 ml
81001	AMPICILLIN supplement 10 vials
81002	LEGIONELLA (BMPA) supplement 10 vials
81003	BRUCELLA supplement 10 vials
81004	CAMPYLOBACTER Preston supplem 10 vials
81006	CN (Pseudomonas) supplement 10 vials
81007	CLOSTRIDIUM difficile suppleme 10 vials
81008	LEGIONELLA (GVPC) supplement 10 vials
81009	IODINE solution 5 x 10 ml
81011	CLOSTRIDIUM perfrigens (T.S.C.) sup.10 v.
81012	LCAT supplement 10 vials
81013	BORDETELLA supplement 10 vials
81014	HAEMOPHILUS supplement 10 vials
81015	CAMPYLOBACTER Butzler supplement 10 vials
81016	BACILLUS Cereus Supplement 10 Vials
81017	CHLORAMPHENICOL supplement 10 vials
81019	LEGIONELLA (MWY) supplement 10 vials
81020	MMG Supplement 10 vials
81022	V.C.N. supplement 10 vials
81023	VITALEX growth supplement 10 vials
81024	V.C.N.T. supplement 10 vials
81025	DERMATOPHYTE supplement 10 vials
81026	LISTERIA PALCAM supplement 10 vials
81032	ONPG 1.5% Supplement 10 vials
81033	GENTAMYCIN supplement 10 vials
81035	MIDDLEBROOK 7H 10 supplement 4 x 50 ml
81036	CAMPYLOBACTER KARMALI Supplement 10 vials
81037	CAMPYLOBACTER CCDA supplement 10 vials
81038	CAMPYLOBACTER C.T.V.N. Supplement 10 vials
81039	YERSINIA supplement 10 vials
81040	GARDNERELLA vaginalis Supplement 10vials
81041	V.C.A.T. supplement 10 vials
81042	LISTERIA FRASER supplement (1125mg)10 vials
81048	CNA (Staf/Strep) supplemet 10 vials
81050	CAMPYLOBACTER growth supplement 10 vials
81051	CAMPYLOBACTER Blaser Wang supp 10 vials
81054	SCHAEDLER supplement 10 vials
81055	CAMPYLOBACTER Skirrow supple 10 vials
81056	LEGIONELLA (BCYE) growth suppl.10 vials
81062	VANCOMYCIN Supplement for VRE 10 vials
81077	CAMPYLOBACTER C.T.V.A. Supplement 10 vials
81078	CHROMATIC™ MRSA Supplement
81079	UREA-ARGININE SCREEN
81082	CEFIXIME TELLURITE Supplement
81083	MEROPENEM Supplement
81084	NEOMYCIN Solution
81085	CHROMATIC™ STAPH AUREUS Supplement
81086	VCC MOD SELECTIVE Supplement
81088	CHROMATIC™ CRE Supplement
81089	Chromatic™ ESBL Supplement
81090	CHROMATIC™ ESBL+AmpC Supplement
81091	Legionella BCYE Growth Supplement w/o L-Cysteine

81098	D-Cycloserine 4-MUP Supplement
85501	COPRO KIT (SELENITE BROTH)
85502	COPRO KIT 2 (SALMONELLA BROTH)
87001	KOVAC'S Reagent
87002	VP (NaOH) Reagent
87003	CATALASE Reagent
87004	PHENYLALANINE Reagent
87005	OXIDASE Reagent
87006	Vaseline Oil
87007	VP (KOH) Reagent
87008	Lactophenol Cotton Blue Droppers
87009	Methyl Red Droppers
87101	GRAM COLOR KIT
88003	OXIDASE TEST SWABS 30 Test
88004	OXIDASE TEST DISCS 30 Discs
88005	O.N.P.G. TEST 30 Test
88006	E.COLI TEST 30 Test
88007	HIPPURATE TEST 30 Test
88008	AESCULIN BILE TEST 30 Test
88009	NITRATI TEST 30 Test 30 Test
88010	LISTERIA MONO TEST 20 Test
88011	UREA RAPID TEST 30 Test
88013	H2S RAPID TEST 30 Test
88014	LYSINE DECARBOXYLASE TEST 30 Test
88015	ORNITHINE DECARBOXYLASE TEST 30 Test
88016	ARGININE DECARBOXYLASE TEST 30 Test
88017	INDOLE TEST 30 Test
88020	S F RAPID TEST 30 Test
88021	CAMP TEST-S 30 Test
88023	CATALASI/OXY TEST 30 Test
88024	UREA / INDOLO TEST 30 Test
88027	CAMP TEST-R 30 Test
88028	PEPTIDASE A TEST 30 Test
88029	OXIDASE TEST STICKS 50 Test
88029N	Oxidase Test Stick
88030	COAGULASE TEST 40 Test
88031	GRAM TEST STICK 30 Test
88032	INDOLO TEST STICK 30 Test
88033	BETA LACTAMASE STICKS 30 Test
88034	PEPTIDASE A STICKS 30 Test
88035	VP TEST KIT
88040	C 390 50 Discs
88041	Brilliant Green 100 µg
88042	CITRATE TEST
88043	O129 Disc 150 µg
88044	O129 Disc 10 µg
88105	O.N.P.G. TEST
88201	GALACTOSE TEST 30 Test
88202	GLUCOSE TEST 30 Test
88203	LACTOSE TEST 30 Test
88204	MALTOSE TEST 30 Test
88205	RAFFINOSE TEST 30 Test
88206	SUCROSE TEST 30 Test
88207	ARABITOL TEST 30 Test
88208	ADONITOL TEST 30 Test
88209	ARABINOSE TEST 30 Test
88210	DULCITOL TEST 30 Test
88211	INOSITOL TEST 30 Test
88212	INULIN TEST 30 Test
88213	LEVULOSE TEST 30 Test

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88214	MANNITOL TEST 30 Test
88215	MANNOSE TEST 30 Test
88216	RHAMNOSE TEST 30 Test
88217	SALICIN TEST 30 Test
88218	SORBITOL TEST 30 Test
88219	TREHALOSE TEST 30 Test
88220	XYLOSE TEST 30 Test
89021	CultiControl™ Aspergillus brasiliensis ATCC® 16404™
89022	CultiControl™ Bacillus Cereus ATCC® 11778™
89023	CultiControl™ Bacillus subtilis ATCC® 6633™
89024	CultiControl™ Candida albicans ATCC® 10231™
89025	CultiControl™ Enterococcus faecalis ATCC® 19433™
89026	CultiControl™ Enterococcus faecalis ATCC® 29212™
89027	CultiControl™ Escherichia coli ATCC® 25922™
89028	CultiControl™ Escherichia coli ATCC® 8739™
89029	CultiControl™ Listeria innocua ATCC® 33090™
89030	CultiControl™ Listeria ivanovii ATCC® 19119™
89031	CultiControl™ Listeria monocytogenes ATCC® 19111™
89032	CultiControl™ Proteus mirabilis ATCC® 25933™
89033	CultiControl™ Pseudomonas aeruginosa ATCC® 27853™
89034	CultiControl™ Pseudomonas aeruginosa ATCC® 9027™
89035	CultiControl™ Rhodococcus equi ATCC® 6939™
89036	CultiControl™ Saccharomyces cerevisiae ATCC® 9763™
89037	CultiControl™ Salmonella typhimurium ATCC® 14028™
89038	CultiControl™ Shigella flexneri ATCC® 12022™
89039	CultiControl™ Staphylococcus aureus NCTC 12493
89040	CultiControl™ Staphylococcus aureus ATCC® 25923™
89041	CultiControl™ Staphylococcus aureus ATCC® 29213™
89042	CultiControl™ Staphylococcus aureus ATCC® 33862™
89043	CultiControl™ Staphylococcus aureus ATCC® 43300™
89044	CultiControl™ Staphylococcus aureus ATCC® 6538™
89045	CultiControl™ Staphylococcus epidermidis ATCC® 12228™
89046	CultiControl™ Streptococcus agalactiae ATCC® 13813™
89047	CultiControl™ Streptococcus pneumoniae ATCC® 49619™
89048	CultiControl™ Streptococcus pyogenes ATCC® 19615™
89049	CultiControl™ Proteus mirabilis ATCC® 12453™
89050	CultiControl™ Yersinia enterocolitica ATCC® 9610™
89051	CultiControl™ Listeria monocytogenes ATCC® 19115™
89052	CultiControl™ Legionella pneumophila subsp. pneumophila ATCC® 33152™
89053	CultiControl™ Clostridium perfringens ATCC® 13124™
89054	CultiControl™ Salmonella enterica subsp. enterica serovar Typhimurium ATCC® 13311™
89055	CultiControl™ Lactobacillus paracasei subsp. paracasei ATCC ® BAA-52™
89056	CultiControl™ Vibrio parahaemolyticus ATCC ® 17802™
89057	CultiControl™ Aspergillus fumigatus ATCC ® 204305™
89058	CultiControl™ Shigella sonnei ATCC ® 25931™
89059	CultiControl™ Clostridium sordellii ATCC ® 9714™
89060	CultiControl™ Listeria monocytogenes ATCC ® 7644™
89061	CultiControl™ Streptococcus bovis ATCC ® 33317™
89062	CultiControl™ Streptococcus mutans ATCC ® 25175™
89063	CultiControl™ Streptococcus pneumoniae ATCC ® 27336™
89064	CultiControl™ Streptococcus sanguinis ATCC ® 10556™
89065	CultiControl™ Enterobacter cloacae subsp. cloacae ATCC ® BAA-1143™
89066	CultiControl™ Enterococcus faecalis ATCC ® 49532™
89067	CultiControl™ Enterococcus faecalis ATCC ® 49533™
89068	CultiControl™ Escherichia coli NCTC 11954™
89069	CultiControl™ Klebsiella pneumoniae ATCC ® BAA-2146™

89070	CultiControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 700603™
89071	CultiControl™ Candida parapsilosis ATCC ® 22019™
89072	CultiControl™ Candida albicans ATCC ® 90028™
89073	CultiControl™ Issatchenkia orientalis ATCC ® 6258™
89074	CultiControl™ Neisseria gonorrhoeae ATCC ® 19424™
89075	CultiControl™ Neisseria gonorrhoeae ATCC ® 31426™
89076	CultiControl™ Haemophilus influenzae ATCC® 49766™
89077	CultiControl™ Haemophilus influenzae ATCC® 49247™
89078	CultiControl™ Bacteroides fragilis ATCC® 25285™
89079	CultiControl™ Bacteroides thetaiotaomicron ATCC® 29741™
89080	CultiControl™ Lactobacillus acidophilus ATCC ® 4356™
89081	CultiControl™ Lactobacillus leichmannii ATCC ® 4797™
89082	CultiControl™ Lactococcus lactis ATCC ® 19435™
89083	CultiControl™ Proteus mirabilis ATCC ® 29906™
89084	CultiControl™ Salmonella enterica subsp. enterica serovar Enteritidis ATCC ® 13076™
89085	CultiControl™ Listeria monocytogenes ATCC ® 13932™
89086	CultiControl™ Campylobacter jejuni ATCC ® 33291™
89087	CultiControl™ Klebsiella pneumoniae ATCC ® BAA-1706™
89088	CultiControl™ Klebsiella pneumoniae ATCC ® BAA-1705™
89089	CultiControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 13883™
89090	CultiControl™ Clostridium difficile ATCC ® 9689™
89091	CultiControl™ Aggregatibacter aphrophilus ATCC ® 7901™
89092	CultiControl™ Staphylococcus aureus subsp. aureus ATCC® 700698™
89093	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® 700699™
89094	CultiControl™ Plesiomonas shigelloides ATCC ® 14029™
89095	CultiControl™ Clostridium sporogenes ATCC ® 19404™
89096	CultiControl™ Micrococcus luteus ATCC ® 10240™
89097	CultiControl™ Candida tropicalis ATCC ® 750™
89098	CultiControl™ Candida krusei ATCC ® 14243™
89099	CultiControl™ Gardnerella vaginalis ATCC ® 14018™
89100	CultiControl™ Lactobacillus fermentum ATCC ® 9338™
89101	CultiControl™ Listeria grayi ATCC ® 25401™
89102	CultiControl™ Micrococcus luteus ATCC ® 4698™
89103	CultiControl™ Moraxella (Branhamella) catarrhalis ATCC ® 25238™
89104	CultiControl™ Neisseria gonorrhoeae ATCC ® 49226™
89105	CultiControl™ Proteus mirabilis ATCC ® 35659™
89106	CultiControl™ Proteus mirabilis ATCC ® 43071™
89107	CultiControl™ Proteus vulgaris ATCC ® 6380™
89108	CultiControl™ Pseudomonas aeruginosa ATCC ® 10145™
89109	CultiControl™ Pseudomonas aeruginosa ATCC ® 15442™
89110	CultiControl™ Pseudomonas fluorescens ATCC ® 13525™
89111	CultiControl™ Bacteroides ovatus ATCC ® 8483™
89112	CultiControl™ Clostridium histolyticum ATCC ® 19401™
89113	CultiControl™ Bacteroides fragilis ATCC ® 23745™
89114	CultiControl™ Actinomyces odontolyticus ATCC ® 17929™
89115	CultiControl™ Enterococcus faecalis ATCC ® 33186™
89116	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® 33591™
89117	CultiControl™ Enterococcus faecium ATCC ® 51559™
89118	CultiControl™ Fusobacterium nucleatum ATCC ® 25586™
89119	CultiControl™ Aeromonas hydrophila ATCC ® 7966™
89120	CultiControl™ Haemophilus influenzae ATCC ® 10211™
89121	CultiControl™ Serratia marcescens ATCC ® 8100™
89122	CultiControl™ Neisseria gonorrhoeae ATCC ® 49981™

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89123	CultiControl™ Haemophilus haemolyticus ATCC ® 33390™
89124	CultiControl™ Haemophilus influenzae ATCC ® 33533™
89125	CultiControl™ Providencia stuartii ATCC ® 33672™
89126	CultiControl™ Staphylococcus haemolyticus ATCC ® 29970™
89127	CultiControl™ Streptococcus anginosus ATCC ® 33397™
89128	CultiControl™ Streptococcus dysgalactiae subsp.equisimilis ATCC ® 12388™
89129	CultiControl™ Streptococcus mitis ATCC ® 6249™
89130	CultiControl™ Streptococcus pyogenes ATCC ® 49399™
89131	CultiControl™ Streptococcus salivarius ATCC® 13419™
89132	CultiControl™ Salmonella enterica subsp. enterica serovar Abony NCTC 6017
89133	CultiControl™ Staphylococcus xylosus ATCC ® 29971™
89134	CultiControl™ Prevotella melaninogenica ATCC ® 25845™
89135	CultiControl™ Propionibacterium acnes ATCC® 11827™
89136	CultiControl™ Haemophilus influenzae NCTC 8468
89137	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® 19095™
89138	CultiControl™ Cronobacter sakazakii ATCC ® 29544™
89139	CultiControl™ Bordetella bronchiseptica ATCC ® 4617™
89140	CultiControl™ Trichophyton mentagrophytes ATCC ® 9533™
89141	CultiControl™ Acinetobacter baumannii ATCC ® BAA-747™
89144	CultiControl™ Vibrio alginolyticus ATCC ® 17749™
89145	CultiControl™ Campylobacter jejuni subsp. jejuni ATCC ® 33560™
89146	CultiControl™ Citrobacter freundii ATCC ® 43864™
89147	CultiControl™ Burkholderia cepacia ATCC ® 25416™
89148	CultiControl™ Listeria monocytogenes ATCC ® 35152™
89149	CultiControl™ Stenotrophomonas maltophilia ATCC® 13637™
89151	CultiControl™ Legionella pneumophila subsp. fraseri ATCC ® 33156™
89152	CultiControl™ Enterococcus faecium ATCC ® 6057™
89153	CultiControl™ Staphylococcus saprophyticus ATCC ® 15305™
89154	CultiControl™ Salmonella enterica subsp. arizonae ATCC ® 13314™
89155	CultiControl™ Bacillus cereus ATCC ® 10876™
89156	CultiControl™ Enterobacter aerogenes ATCC ® 13048™
89158	CultiControl™ Cronobacter muytjensii ATCC ® 51329™
89159	CultiControl™ Citrobacter freundii ATCC ® 8090™
89160	CultiControl™ Haemophilus influenzae ATCC ® 19418™
89162	CultiControl™ Porphyromonas gingivalis ATCC ® 33277™
89163	CultiControl™ Escherichia coli ATCC ® 35218™
89164	CultiControl™ Neisseria meningitidis ATCC ® 13090™
89165	CultiControl™ Peptostreptococcus anaerobius ATCC ® 27337™
89166	CultiControl™ Burkholderia cepacia ATCC ® 25608™
89167	CultiControl™ Campylobacter jejuni subsp. jejuni ATCC ® 29428™
89168	CultiControl™ Yersinia enterocolitica subsp. enterocolitica ATCC ® 23715™
89170	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® BAA-44™
89171	CultiControl™ Enterococcus faecium ATCC ® 19434™
89172	CultiControl™ Enterococcus faecium ATCC ® BAA-2319™
89173	CultiControl™ Enterococcus faecalis ATCC ® 51299™
89174	CultiControl™ Acinetobacter baumannii ATCC ® 19606™
89175	CultiControl™ Streptococcus pneumoniae ATCC ® 700671™
89176	CultiControl™ Haemophilus influenzae ATCC ® 33391™
89177	CultiControl™ Candida albicans ATCC ® 18804™
89178	CultiControl™ Candida albicans ATCC ® 64124™
89179	CultiControl™ Shigella boydii ATCC ® 9207™
89180	CultiControl™ Shigella sonnei ATCC ® 9290™
89181	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® 49476™
89182	CultiControl™ Staphylococcus aureus subsp. aureus ATCC ® 9144™
89183	CultiControl™ Candida albicans ATCC ® 14053™
89184	CultiControl™ Escherichia coli ATCC ® 11303™
89186	CultiControl™ Streptococcus salivarius subsp. thermophilus ATCC ® 19258™
89189	CultiControl™ Nocardia brasiliensis ATCC ® 19296™
89191	CultiControl™ Serratia marcescens ATCC ® 14756™
89192	CultiControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 4352™
89193	CultiControl™ Bacteroides ovatus ATCC ® BAA-1296™
89194	CultiControl™ Stenotrophomonas maltophilia ATCC ® 17666™
89195	CultiControl™ Enterococcus casseliflavus ATCC ® 700327™
89196	CultiControl™ Eikenella corrodens ATCC ® BAA-1152™
89197	CultiControl™ Salmonella enterica subsp. enterica serovar Typhimurium ATCC ® 49416™
89198	CultiControl™ Shigella flexneri ATCC ® 9199™
89199	CultiControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 31488™
89200	CultiControl™ Enterobacter cloacae ATCC ® 49141™
9001	NALIDIXIC ACID NA 30 µg 250 Discs
9001/1	NALIDIXIC ACID NA 30 µg 50 Discs
9002	Oxolinic acid OA 2 µg 250 Discs
9002/1	Oxolinic acid OA 2 µg 50 Discs
9003	PIPEMIDIC ACID PI 20 µg 250 Discs
9003/1	PIPEMIDIC ACID PI 20 µg 50 Discs
9004	AMIKACIN AK 30 µg 250 Discs
9004/1	AMIKACIN AK 30 µg 50 Discs
9005	AMOXICILLIN AML 30 µg 250 Discs
9005/1	AMOXICILLIN AML 30 µg 50 Discs
9006	AMPICILLIN AMP 10 µg 250 Discs
9006/1	AMPICILLIN AMP 10 µg 50 Discs
9007	AZLOCILLIN AZL 75 µg 250 Discs
9007/1	AZLOCILLIN AZL 75 µg 50 Discs
9008	AZTREONAM ATM 30 µg 250 Discs
9008/1	AZTREONAM ATM 30 µg 50 Discs
9009	CARBENICILLIN CAR 100 µg 250 Discs
9009/1	CARBENICILLIN CAR 100 µg 50 Discs
9010	CEFACLOR CEC 30 µg 250 Discs
9010/1	CEFACLOR CEC 30 µg 50 Discs
9011	CEPHALEXIN CL 30 µg 250 Discs
9011/1	CEPHALEXIN CL 30 µg 50 Discs
9013	CEPHALOTHIN KF 30 µg 250 Discs
9013/1	CEPHALOTHIN KF 30 µg 50 Discs
9014	CEFAMANDOLE MA 30 µg 250 Discs
9014/1	CEFAMANDOLE MA 30 µg 50 Discs
9015	CEFAZOLIN KZ 30 µg 250 Discs
9015/1	CEFAZOLIN KZ 30 µg 50 Discs
9016	CEFOPERAZONE CFP 30 µg 250 Discs
9016/1	CEFOPERAZONE CFP 30 µg 50 Discs
9017	CEFOTAXIME CTX 30 µg 250 Discs
9017/1	CEFOTAXIME CTX 30 µg 50 Discs
9018	CEFOXITIN FOX 30 µg 250 Discs
9018/1	CEFOXITIN FOX 30 µg 50 Discs
9019	CEFTAZIDIME CAZ 30 µg 250 Discs
9019/1	CEFTAZIDIME CAZ 30 µg 50 Discs
9020	CEFTRIAXONE CRO 30 µg 250 Discs
9020/1	CEFTRIAXONE CRO 30 µg 50 Discs
9021	CEFUROXIME CXM 30 µg 250 Discs
9021/1	CEFUROXIME CXM 30 µg 50 Discs

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9022	CHLORAMPHENICOL C 30 µg 250 Discs
9022/1	CHLORAMPHENICOL C 30 µg 50 Discs
9023	COLISTIN SULFATE CS 10 µg 250 Discs
9023/1	COLISTIN SULFATE CS 10 µg 50 Discs
9024	ERYTHROMYCIN E 15 µg 250 Discs
9024/1	ERYTHROMYCIN E 15 µg 50 Discs
9025	FOSFOMYCIN FOS 50 µg 250 Discs
9025/1	FOSFOMYCIN FOS 50 µg 50 Discs
9026	GENTAMICIN CN 10 µg 250 Discs
9026/1	GENTAMICIN CN 10 µg 50 Discs
9027	KANAMYCIN K 30 µg 250 Discs
9027/1	KANAMYCIN K 30 µg 50 Discs
9028	LINCOMYCIN MY 2 µg 250 Discs
9028/1	LINCOMYCIN MY 2 µg 50 Discs
9029	METHICILLIN MET 5 µg 250 Discs
9029/1	METHICILLIN MET 5 µg 50 Discs
9030	MINOCYCLINE MN 30 µg 250 Discs
9030/1	MINOCYCLINE MN 30 µg 50 Discs
9031	AMPICILLIN-SULBACTAM AMS 20 µg 250 Discs
9031/1	AMPICILLIN-SULBACTAM AMS 20µg 50 DISCS
9032	NEOMYCIN N 30 µg 250 Discs
9032/1	NEOMYCIN N 30 µg 50 Discs
9033	NETILMICIN NET 30 µg 250 Discs
9033/1	NETILMICIN NET 30 µg 50 Discs
9034	NITROFURANTOIN F 300 µg 250 Discs
9034/1	NITROFURANTOIN F 300 µg 50 Discs
9035	NORFLOXACIN NOR 10µg 250 Discs
9035/1	NORFLOXACIN NOR 10 µg 50 Discs
9036	OXACILLIN OX 1µg 250 Discs
9036/1	OXACILLIN OX 1 µg 50 Discs
9037	PENICILLIN G P 10 IU 250 Discs
9037/1	PENICILLIN G P 10 IU 50 Discs
9038	PIPERACILLIN PRL 100 µg 250 Discs
9038/1	PIPERACILLIN PRL 100 µg 50 Discs
9039	RIFAMPICIN RD 30 µg 250 Discs
9039/1	RIFAMPICIN RD 30 µg 50 Discs
9040	STREPTOMYCIN S 10 µg 250 Discs
9040/1	STREPTOMYCIN S 10 µg 50 Discs
9041	SULFAFURAZOLE SF 300 µg 250 Discs
9041/1	SULFAFURAZOLE SF 300 µg 50 Discs
9042	TRIMETHOPRIM-SULFAMETHOXAZOLE SXT 25 µg 250 Discs
9042/1	TRIMETHOPRIM-SULFAMETHOXAZOLE SXT 25 µg 50 Discs
9043	TETRACYCLINE TE 30 µg 250 Discs
9043/1	TETRACYCLINE TE 30 µg 50 Discs
9044	TOBRAMYCIN TOB 10 µg 250 Discs
9044/1	TOBRAMYCIN TOB 10 µg 50 Discs
9045	VANCOMYCIN VA 30 µg 250 Discs
9045/1	VANCOMYCIN VA 30 µg 50 Discs
9046	SISOMYCIN SIS 30µg 250 Discs
9046/1	SISOMYCIN SIS 30 µg 50 Discs
9047	CLINDAMYCIN CD 2 µg 250 Discs
9047/1	CLINDAMYCIN CD 2 µg 50 Discs
9048	AMOXICILLIN-CLAVULANIC ACID AUG 30 µg 250 Discs
9048/1	AMOXICILLIN-CLAVULANIC ACID AUG 30 µg 50 Discs
9049	FUSIDIC ACID FC 10 µg 250 Discs
9049/1	FUSIDIC ACID FC 10 µg 50 Discs
9050	TEICOPLANIN TEC 30 µg 250 Discs
9050/1	TEICOPLANIN TEC 30 µg 50 Discs
9051	BACITRACIN BA 10 IU 250 Discs
9051/1	BACITRACIN BA 10 IU 50 Discs
9052	CEFADROXIL CDX 30 µg 250 Discs
9052/1	CEFADROXIL CDX 30 µg 50 Discs
9053	CEFSULODIN CSD 30 µg 250 Discs
9053/1	CEFSULODIN CSD 30 µg 50 Discs
9054	CEFTIZOXIME CZX 30 µg 250 Discs
9054/1	CEFTIZOXIME CZX 30 µg 50 Discs
9055	CEPHRADINE CE 30 µg 250 Discs
9055/1	CEPHRADINE CE 30 µg 50 Discs
9056	CIPROFLOXACIN CIP 5 µg 250 Discs
9056/1	CIPROFLOXACIN CIP 5 µg 50 Discs
9057	CINOXACIN CIN 100 µg 250 Discs
9057/1	CINOXACIN CIN 100 µg 50 Discs
9058	CLOXACILLIN CX 5 µg 250 Discs
9058/1	CLOXACILLIN CX 5 µg 50 Discs
9059	DOXYCYCLINE DXT 30 µg 250 Discs
9059/1	DOXYCYCLINE DXT 30 µg 50 Discs
9060	ROXITROMYCIN RXT 15 µg 250 Discs
9060/1	ROXITROMYCIN RXT 15 µg 50 Discs
9061	ERTAPENEM ETP 10 µg 250 Discs
9061/1	ERTAPENEM ETP 10 µg 50 Discs
9062	MEZLOCILLIN MEZ 75 µg 250 Discs
9062/1	MEZLOCILLIN MEZ 75 µg 50 Discs
9063	NOVOBIOCIN NO 30 µg 250 Discs
9063/1	NOVOBIOCIN NO 30 µg 50 Discs
9064	CEFPODOXIME PX 10 ug 250 Discs
9064/1	CEFPODOXIME PX 10 ug 50 Discs
9065	OXYTETRACYCLINE OT 30 µg 250 Discs
9065/1	OXYTETRACYCLINE OT 30 µg 50 Discs
9066	POLYMYXIN B PB 100 IU 250 Discs
9066/1	POLYMYXIN B PB 100 IU 50 Discs
9067	SPECTINOMYCIN SPC 100 µg 250 Discs
9067/1	SPECTINOMYCIN SPC 100 µg 50 Discs
9068	MEROPENEM MRP 10 µg 250 Discs
9068/1	MEROPENEM MRP 10 µg 50 Discs
9069	FLUCONAZOLE FLU 100 µg 250 Discs
9069/1	FLUCONAZOLE FLU 100 µg 50 Discs
9070	TICARCILLIN TC 75 µg 250 Discs
9070/1	TICARCILLIN TC 75 µg 50 Discs
9071	AMPHOTERICIN B AMB 20 µg 250 Discs
9071/1	AMPHOTERICIN B AMB 20 µg 50 Discs
9072	ECONAZOLE ECN 10 µg 250 Discs
9072/1	ECONAZOLE ECN 10 µg 50 Discs
9073	FLUCYTOSINE AFY 1 µg 250 Discs
9073/1	FLUCYTOSINE AFY 1 µg 50 Discs
9074	GRISEOFULVIN AGF 10 µg 250 Discs
9074/1	GRISEOFULVIN AGF 10 µg 50 Discs
9075	KETOCONAZOLE KCA 10 µg 250 Discs
9075/1	KETOCONAZOLE KCA 10 µg 50 Discs
9076	METRONIDAZOLE MTZ 5 µg 250 Discs
9076/1	METRONIDAZOLE MTZ 5 µg 50 Discs
9077	MICONAZOLE MCL 10 µg 250 Discs
9077/1	MICONAZOLE MCL 10 µg 50 Discs
9078	NYSTATIN NY 100 IU 250 Discs
9078/1	NYSTATIN NY 100 IU 50 Discs
9079	IMIPENEM IMI 10 µg 250 Discs
9079/1	IMIPENEM IMI 10 µg 50 Discs
9080	OFLOXACIN OFX 5 µg 250 Discs
9080/1	OFLOXACIN OFX 5 µg 50 Discs
9081	CEFOTETAN CTT 30 µg 250 Discs

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9081/1	CEFOTETAN CTT 30 µg 50 Dischi
9082	TYLOSIN TY 30 µg 250 Dischi
9082/1	TYLOSIN TY 30 µg 50 Dischi
9083	TRIMETHOPRIM TM 2,5 µg 250 Dischi
9083/1	TRIMETHOPRIM TM 2,5 µg 50 Dischi
9084	SULFAMETHOXAZOLE SMX 50 µg 250 Dischi
9084/1	SULFAMETHOXAZOLE SMX 50µg 50 Dischi
9085	Imipenem + Phenylboronic acid IMI + BO 250 Dischi
9085/1	Imipenem + Phenylboronic acid IMI + BO 50 Dischi
9086	Imipenem + Cloxacillin IMI + CL 250 Dischi
9086/1	Imipenem + Cloxacillin IMI + CL 50 Dischi
9087	EDTA ED 250 Dischi
9087/1	EDTA ED 50 Dischi
9088	SPIRAMYCIN SP 100 µg 250 Dischi
9088/1	SPIRAMYCIN SP 100 µg 50 Dischi
9089	CEFIXIME CFM 5 µg 250 Dischi
9089/1	CEFIXIME CFM 5 µg 50 Dischi
9090	Daptomycin DAP 30 µg 250 Dischi
9090/1	Daptomycin DAP 30 µg 50 Dischi
9091	PEFLOXACIN PEF 5 µg 250 Dischi
9091/1	PEFLOXACIN PEF 5 µg 50 Dischi
9093	DICLOXACILLIN DCX 1 µg 250 Dischi
9093/1	DICLOXACILLIN DCX 1 µg 50 Dischi
9094	TIAMULIN T 30 µg 250 Dischi
9094/1	TIAMULIN T 30 µg 50 Dischi
9095	IMIPENEM/CILASTATIN IMC 20 µg 250 Dischi
9095/1	IMIPENEM/CILASTATIN IMC 20 µg 50 Dischi
9096	TICARCILLIN-CLAVULINC ACID TTC 85 µg 250 Dischi
9096/1	TICARCILLIN-CLAVULINC ACID TTC 85 µg 50 Dischi
9097	CLOTRIMAZOLE CLO 50 µg 250 Dischi
9097/1	CLOTRIMAZOLE CLO 50 µg 50 Dischi
9098	CLARITHROMYCIN CLR 15 µg 250 Dischi
9098/1	CLARITHROMYCIN CLR 15 µg 50 Dischi
9099	FURAZOLIDON FR 50 µg 250 Dischi
9099/1	FURAZOLIDON FR 50 µg 50 Dischi
9100	PIPERACILLIN-TAZOBACTAM TZP 110 µg 250 Dischi
9100/1	PIPERACILLIN-TAZOBACTAM TZP 110 µg 50 Disc
9101	CEFTIBUTEN CTB 30 µg 250 Dischi
9101/1	CEFTIBUTEN CTB 30 µg 50 Dischi
9102	LEVOFLOXACIN LEV 5 µg 250 Dischi
9102/1	LEVOFLOXACIN LEV 5 µg 50 Dischi
9103	MOXIFLOXACIN MOX 5 µg 250 Dischi
9103/1	MOXIFLOXACIN MOX 5 µg 50 Dischi
9104	CEFEPIME FEP 30 µg 250 Dischi
9104/1	CEFEPIME FEP 30 µg 50 Dischi
9105	AZITHROMYCIN AZM 15 µg 250 Dischi
9105/1	AZITHROMYCIN AZM 15 µg 50 Dischi
9106	MYOKAMYCIN MK 15 µg 250 Dischi
9106/1	MYOKAMYCIN MK 15 µg 50 Dischi
9107	ITRACONAZOLE ITC 50 µg 250 Dischi
9107/1	ITRACONAZOLE ITC 50 µg 50 Dischi
9108	CEFOPERAZONE CFP 75 µg 250 Dischi
9108/1	CEFOPERAZONE CFP 75 µg 50 Dischi
9109	FOSFOMYCIN (includes G-6-p) FOS 200 µg 250 Dischi
9109/1	FOSFOMYCIN (includes G-6-p) FOS 200 µg 50 Dischi
9110	TRIMETHOPRIM TM 5 µg 250 Dischi
9110/1	TRIMETHOPRIM TM 5 µg 50 Dischi
9111	FUSIDIC ACID FC 30 µg 250 Dischi
9111/1	FUSIDIC ACID FC 30 µg 50 Dischi
9112	CEFPROZIL CPR 30 µg 250 Dischi
9112/1	CEFPROZIL CPR 30 µg 50 Dischi
9113	LOMEFLOXACIN LOM 10 µg 250 Dischi
9113/1	LOMEFLOXACIN LOM 10 µg 50 Dischi
9115	AMPICILLIN AMP 2 µg 250 Dischi
9115/1	AMPICILLIN AMP 2 µg 50 Dischi
9116	LINCOMYCIN MY 15 µg 250 Dischi
9116/1	LINCOMYCIN MY 15 µg 50 Dischi
9117	NOVOBIOCIN NO 5 µg 250 Dischi
9117/1	NOVOBIOCIN NO 5 µg 50 Dischi
9118	RIFAMPICIN RD 5 µg 250 Dischi
9118/1	RIFAMPICIN RD 5µg 50 Dischi
9119	METRONIDAZOLE MTZ 50 µg 250 Dischi
9119/1	METRONIDAZOLE MTZ 50 µg 50 Dischi
9120	POLYMYXIN B PB 300 UI 250 Dischi
9120/1	POLYMYXIN B PB 300 UI 50 Dischi
9121	FOSFOMYCIN (includes G-6-p) FOS 100 µg 250 Dischi
9121/1	FOSFOMYCIN (includes G-6-p) FOS 100 µg 50 Dischi
9122	AMPLICLOX (Ampicillin-Cloxacillin) ACL 30 µg 250 Dischi
9122/1	AMPLICLOX (Ampicillin-Cloxacillin) ACL 30 µg 50 Dischi
9124	GENTAMICIN CN 120 µg 250 Dischi
9124/1	GENTAMICIN CN 120 µg 50 Dischi
9125	GENTAMICIN CN 30 µg 250 Dischi
9125/1	GENTAMICIN CN 30 µg 50 Dischi
9126	SULFONAMIDE S3 300 µg 250 Dischi
9126/1	SULFONAMIDE S3 300 µg 50 Dischi
9127	PENICILLIN G P 2 IU 250 Dischi
9127/1	PENICILLIN G P 2 IU 50 Dischi
9128	CHLORAMPHENICOL C 10 µg 250 Dischi
9128/1	CHLORAMPHENICOL C 10 µg 50 Dischi
9129	SULBACTAM SU 20µg 250 Dischi
9129/1	SULBACTAM SU 20µg 50 Dischi
9130	PENICILLIN G P 1 IU 250 Dischi
9130/1	PENICILLIN G P 1 IU 50 Dischi
9131	SODIUM FUSIDATE FC 30 250 Dischi
9132	SULFAPRIM SXT 50 µg 250 Dischi
9132/1	SULFAPRIM SXT 50 µg 50 Dischi
9133	AMOXICILLIN AML 10 µg 250 Dischi
9133/1	AMOXICILLIN AML 10 µg 50 Dischi
9134	CEFOTAXIME CTX 75 µg 250 Dischi
9134/1	CEFOTAXIME CTX 75 µg 50 Dischi
9135	OXACILLIN OX 5µg 250 Dischi
9135/1	OXACILLIN OX 5µg 50 Dischi
9136	LINEZOLID LNZ 30µg 250 Dischi
9136/1	LINEZOLID LNZ 30µg 50 Dischi
9137	AMPHOTERICIN B AMB 10 µg 250 Dischi
9137/1	AMPHOTERICIN B AMB 10 µg 50 Dischi
9139	ITRACONAZOLE ITC 8 µg 250 Dischi
9139/1	ITRACONAZOLE ITC 8 µg 50 Dischi
9140	KETOCONAZOLE KCA 15 µg 250 Dischi
9140/1	KETOCONAZOLE KCA 15 µg 50 Dischi
9141	COLISTIN SULFATE CS 30 UI 250 Dischi
9141/1	COLISTIN SULFATE CS 30 UI 50 Dischi
9143	CEFEPIME+CLAVULANIC ACID FEL 40 µg 250 Dischi
9144	Cefoxitin+Cloxacillin FOC 230 µg 250 Dischi
9144/1	Cefoxitin+Cloxacillin FOC 230 µg 50 Dischi
9145	CEFTAZIDIME+CLAVULANIC ACID CAL 40 µg 250 Dischi
9145/1	CEFTAZIDIME+CLAVULANIC ACID CAL 40 µg 50 Dischi
9146	CLINDAMYCIN CD 10 µg 250 Dischi
9146/1	CLINDAMYCIN CD 10 µg 50 Dischi
9147	TIGECYCLIN TGC 15 µg 250 Dischi

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9147/1	TIGECYCLIN TGC 15 µg 50 Dischi
9148	FLUCYTOSINE AFY 10 µg 250 Dischi
9148/1	FLUCYTOSINE AFY 10 µg 50 Dischi
9150	SULFADIAZINE SUZ 300 ug 250 Dischi
9150/1	SULFADIAZINE SUZ 300 ug 50 Dischi
9151	AMOXICILLIN AML 2 µg 250 Dischi
9151/1	AMOXICILLIN AML 2 µg 50 Dischi
9152	CEFOTAXIME CTX 5 µg 250 Dischi
9152/1	CEFOTAXIME CTX 5 µg 50 Dischi
9153	CEFTAZIDIME CAZ 10 µg 250 Dischi
9153/1	CEFTAZIDIME CAZ 10 µg 50 Dischi
9154	DORIPENEM DOR 10 µg 250 Dischi
9154/1	DORIPENEM DOR 10 µg 50 Dischi
9155	LINEZOLID LNZ 10 µg 250 Dischi
9155/1	LINEZOLID LNZ 10 µg 50 Dischi
9156	MECILLINAM MEC 10 µg 250 Dischi
9156/1	MECILLINAM MEC 10 µg 50 Dischi
9157	MUPIROCIN MUP 200 µg 250 Dischi
9157/1	MUPIROCIN MUP 200 µg 50 Dischi
9158	NITROFURANTOIN F 100 µg 250 Dischi
9158/1	NITROFURANTOIN F 100 µg 50 Dischi
9159	PIPERACILLIN PRL 30 µg 250 Dischi
9159/1	PIPERACILLIN PRL 30 µg 50 Dischi
9160	PIPERACILLIN-TAZOBACTAM TZP 36 µg 250 Dischi
9160/1	PIPERACILLIN-TAZOBACTAM TZP 36 µg 50 Dischi
9161	QUINUPRISTIN-DALFOPRISTIN QDA 15 µg 250 Dischi
9161/1	QUINUPRISTIN-DALFOPRISTIN QDA 15 µg 50 Dischi
9162	STREPTOMYCIN S 300 µg 250 Dischi
9162/1	STREPTOMYCIN S 300 µg 50 Dischi
9163	TOBRAMYCIN TOB 30 µg 250 Dischi
9163/1	TOBRAMYCIN TOB 30 µg 50 Dischi
9164	VANCOMYCIN VA 5 µg 250 Dischi
9164/1	VANCOMYCIN VA 5 µg 50 Dischi
9165	CASPOFUNGIN CAS 5 µg 250 Dischi
9165/1	CASPOFUNGIN CAS 5 µg 50 Dischi
9166	FLUCONAZOLE FLU 25 µg 250 Dischi
9166/1	FLUCONAZOLE FLU 25 µg 50 Dischi
9167	POSACONAZOLE POS 5 µg 250 Dischi
9167/1	POSACONAZOLE POS 5 µg 50 Dischi
9168	VORICONAZOLE VO 1 µg 250 Dischi
9168/1	VORICONAZOLE VO 1 µg 50 Dischi
9169	GATIFLOXACIN GAT 5 µg 250 Dischi
9169/1	GATIFLOXACIN GAT 5 µg 50 Dischi
9170	NETILMICIN NET 10 µg 250 Dischi
9170/1	NETILMICIN NET 10 µg 50 Dischi
9171	PHENOXYMETHYLPENICILLIN PV 10 µg 250 Dischi
9171/1	PHENOXYMETHYLPENICILLIN PV 10 µg 50 Dischi
9172	TELITHROMYCIN TEL 15 µg 250 Dischi
9172/1	TELITHROMYCIN TEL 15 µg 50 Dischi
9173	LORACARBEF LOR 30 µg 250 Dischi
9173/1	LORACARBEF LOR 30 µg 50 Dischi
9174	NAFCILLIN NAF 1 µg 250 Dischi
9174/1	NAFCILLIN NAF 1 µg 50 Dischi
9175	MEROPENEM+CLOXACILLIN MR+CL 250 Dischi
9175/1	MEROPENEM+CLOXACILLIN MR+CL 50 Dischi
9176	Meropenem + Phenylboronic acid MR + BO 250 Dischi
9176/1	Meropenem + Phenylboronic acid MR + BO 50 Dischi
9177	MEROPENEM+DIPICOLINIC ACID MR+DP 250 Dischi
9177/1	MEROPENEM+DIPICOLINIC ACID MR+DP 50 Dischi
9178	Meropenem + EDTA MR + ED 250 Dischi
9178/1	Meropenem + EDTA MR + ED 50 Dischi
9179	AMOXICILLIN AML 25 µg 250 Dischi
9179/1	AMOXICILLIN AML 25 µg 50 Dischi
9180	ERYTHROMYCIN E 2 µg 250 Dischi
9180/1	ERYTHROMYCIN E 2 µg 50 Dischi
9181	NITROFURANTOIN F 50 µg 250 Dischi
9181/1	NITROFURANTOIN F 50 µg 50 Dischi
9182	CEFOTAXIME+CLAVULANIC ACID CTL 40 µg 250 Dischi
9182/1	CEFOTAXIME+CLAVULANIC ACID CTL 40 µg 50 Dischi
9183	Imipenem + EDTA IMI + ED 250 Dischi
9183/1	Imipenem + EDTA IMI + ED 50 Dischi
9184	COLISTIN SULFATE CS 25 µg 250 Dischi
9184/1	COLISTIN SULFATE CS 25 µg 50 Dischi
9185	CEFPIROME CR 30 µg 250 Dischi
9185/1	CEFPIROME CR 30 µg 50 Dischi
9186	TEMOCILLIN TMO 30 µg 250 Dischi
9186/1	TEMOCILLIN TMO 30 µg 50 Dischi
9187	Sulfamethoxazole SMX 100 µg 250 Dischi
9187/1	Sulfamethoxazole SMX 100 µg 50 Dischi
9188	Metronidazole MTZ 10 µg 250 Dischi
9188/1	Metronidazole MTZ 10 µg 50 Dischi
9189	MUPIROCIN MUP 5 µg 250 Dischi
9190	CEFPODOXIME+CLAVULANIC ACID PXL 11 µg 250 Dischi
9190/1	CEFPODOXIME+CLAVULANIC ACID PXL 11 µg 50 Dischi
9191	AMOXICILLIN-CLAVULANIC ACID AUG 3 µg 250 Dischi
9191/1	AMOXICILLIN-CLAVULANIC ACID AUG 3 µg 50 Dischi
9192	ROKITAMYCIN ROK 30 µg 250 Dischi
9192/1	ROKITAMYCIN ROK 30 µg 50 Dischi
9193	Phenylboronic acid BO 250 Dischi
9193/1	Phenylboronic acid BO 50 Dischi
9194	DIPICOLINIC ACID DP 250 Dischi
9194/1	DIPICOLINIC ACID DP 50 Dischi
9195	CEFTAROLINE CPT 5 µg 250 Dischi
9195/1	CEFTAROLINE CPT 5 µg 50 Dischi
9198	CEFTAROLINE CPT 30 µg 250 Dischi
9198/1	CEFTAROLINE CPT 30 µg 50 Dischi
9199	ERTAPENEM+CLOXACILLIN ET+CL 250 Dischi
9199/1	ERTAPENEM+CLOXACILLIN ET+CL 50 Dischi
9202	Ertapenem+Phenylboronic acid ET+BO 250 Dischi
9202/1	Ertapenem+Phenylboronic acid ET+BO 50 Dischi
9203	Cefotaxime+Clavulanic acid+Cloxacillin CTLC 250 Dischi
9203/1	Cefotaxime+Clavulanic acid+Cloxacillin CTLC 50 Dischi
9204	Ceftazidime+Clavulanic acid+Cloxacillin CALC 250 Dischi
9204/1	Ceftazidime+Clavulanic acid+Cloxacillin CALC 50 Dischi
9205	Ceftazidime-avibactam CZA 50 µg 250 Dischi
9205/1	Ceftazidime -avibactam CZA 50 µg 50 Dischi
9206	Ceftazidime -avibactam CZA 14 µg 250 Dischi
9206/1	Ceftazidime-avibactam CZA 14 µg 50 Dischi
9209	Nitroxolin NI 30 µg
9209/1	Nitroxolin NI 30 µg
9219	Cefepime FEP 5 µg
9219/1	Cefepime FEP 5 µg
9220	Cefepime FEP 10 µg
9220/1	Cefepime FEP 10 µg
9224	Cefotaxime + Cloxacilin CTC
9224/1	Cefotaxime + Cloxacillin CTC
9225	Ceftazidime + Cloxacillin CAC
9225/1	Ceftazidime + Cloxacillin CAC
9246	Ceftolozane-tazobactam C/T 40 µg

9246/1	Ceftolozane-tazobactam C/T 40 µg
9247	Solithromycin SOL 15 µg 250 Discs
9247/1	Solithromycin SOL 15 µg 50 Discs
9248	Rifampicin 2 µg
9248/1	Rifampicin 2 µg
91200	DISC DISPENSER 8 CARTRIDGES
91203	DISC DISPENSER 6 CARTRIDGES
92000	AMOX*/SULB 2/1 AXS 0.016-256* 30 MIC Test
920000	AMOX*/SULB 2/1 AXS 0.016-256* 100 MIC Test
92001	Rifampicin RD 0.002-32 mg/L 30 MIC Test
920010	Rifampicin RD 0.002-32 mg/L 100 MIC Test
920011	Rifampicin RD 0.002-32 mg/L 10 MIC Test
92002	Fusidic Acid FU 0.016-256 mg/L 30 MIC Test
920020	Fusidic Acid FU 0.016-256 mg/L 100 MIC Test
920021	Fusidic Acid FU 0.016-256 mg/L 10 MIC Test
92003	Ampicillin AMP 0.016-256 mg/L 30 MIC Test
920030	Ampicillin AMP 0.016-256 mg/L 100 MIC Test
920031	Ampicillin AMP 0.016-256 mg/L 10 MIC Test
92004	Polymyxin B PB 0.064-1024 mg/L 30 MIC Test
920040	Polymyxin B PB 0.064-1024 mg/L 100 MIC Test
920041	Polymyxin B PB 0.064-1024 mg/L 10 MIC Test
92005	Cefpodoxime PX 0.016-256 mg/L 30 MIC Test
920050	Cefpodoxime PX 0.016-256 mg/L 100 MIC Test
920051	Cefpodoxime PX 0.016-256 mg/L 10 MIC Test
92006	Cefotaxime CTX 0.016-256 mg/L 30 MIC Test
920060	Cefotaxime CTX 0.016-256 mg/L 100 MIC Test
920061	Cefotaxime CTX 0.016-256 mg/L 10 MIC Test
92007	Cefotaxime CTX 0.002-32 mg/L 30 MIC Test
920070	Cefotaxime CTX 0.002-32 mg/L 100 MIC Test
920071	Cefotaxime CTX 0.002-32 mg/L 10 MIC Test
92008	Cefpirome CR 0.016-256 mg/L 30 MIC Test
920080	Cefpirome CR 0.016-256 mg/L 100 MIC Test
920081	Cefpirome CR 0.016-256 mg/L 10 MIC Test
92009	Gentamicin CN 0.016-256 mg/L 30 MIC Test
920090	Gentamicin CN 0.016-256 mg/L 100 MIC Test
920091	Gentamicin CN 0.016-256 mg/L 10 MIC Test
92010	Gentamicin CN 0.064-1024 mg/L 30 MIC Test
920100	Gentamicin CN 0.064-1024 mg/L 100 MIC Test
920101	Gentamicin CN 0.064-1024 mg/L 10 MIC Test
92011	Gatifloxacin GAT 0.002-32 mg/L 30 MIC Test
920110	Gatifloxacin GAT 0.002-32 mg/L 100 MIC Test
920111	Gatifloxacin GAT 0.002-32 mg/L 10 MIC Test
92012	Teicoplanin TEC 0.016-256 mg/L 30 MIC Test
920120	Teicoplanin TEC 0.016-256 mg/L 100 MIC Test
920121	Teicoplanin TEC 0.016-256 mg/L 10 MIC Test
92013	Enrofloxacin ENR 0.002-32 mg/L 30 MIC Test
920130	Enrofloxacin ENR 0.002-32 mg/L 100 MIC Test
920131	Enrofloxacin ENR 0.002-32 mg/L 10 MIC Test
92014	Spectinomycin SPC 0.064-1024 mg/L MIC Test
920140	Spectinomycin SPC 0.064-1024 mg/L 100 MICTest
920141	Spectinomycin SPC 0.064-1024 mg/L 10 MIC Test
92015	Oxacillin OX 0.016-256 mg/L 30 MIC Test
920150	Oxacillin OX 0.016-256 mg/L 100 MIC Test
920151	Oxacillin OX 0.016-256 mg/L 10 MIC Test
92016	Ceftizoxime CZX 0.016-256 mg/L 30 MIC Test
920160	Ceftizoxime CZX 0.016-256 mg/L 100 MIC Test
920161	Ceftizoxime CZX 0.016-256 mg/L 10 MIC Test
92017	Mecillinam MEC 0.016-256 mg/L 30 MIC Test
920170	Mecillinam MEC 0.016-256 mg/L 100 MIC Test
920171	Mecillinam MEC 0.016-256 mg/L 10 MIC Test

92018	Amikacin AK 0.016-256 mg/L 30 MIC Test
920180	Amikacin AK 0.016-256 mg/L 100 MIC Test
920181	Amikacin AK 0.016-256 mg/L 10 MIC Test
92019	Bacitracin BA 0.016-256 mg/L 30 MIC Test
920190	Bacitracin BA 0.016-256 mg/L 100 MIC Test
920191	Bacitracin BA 0.016-256 mg/L 10 MIC Test
92020	Cefotetan CTT 0.016-256 mg/L 30 MIC Test
920200	Cefotetan CTT 0.016-256 mg/L 100 MIC Test
920201	Cefotetan CTT 0.016-256 mg/L 10 MIC Test
92021	Amoxicillin AML 0.016-256 mg/L 30 MIC Test
920210	Amoxicillin AML 0.016-256 mg/L 100 MIC Test
920211	Amoxicillin AML 0.016-256 mg/L 10 MIC Test
92022	Nitrofurantoin F 0.032-512 mg/L 30 MIC Test
920220	Nitrofurantoin F 0.032-512 mg/L 100 MIC Test
920221	Nitrofurantoin F 0.032-512 mg/L 10 MIC Test
92023	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L 30 MIC Test
920230	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L 100 MIC Test
920231	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L 10 MIC Test
92024	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L 30 MIC Test
920240	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L 100 MIC Test
920241	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L 10 MIC Test
92025	Rifampicin RD 0.016-256 mg/L 30 MIC Test
920250	Rifampicin RD 0.016-256 mg/L 100 MIC Test
920251	Rifampicin RD 0.016-256 mg/L 10 MIC Test
92026	Quinupristin-dalfopristin QDA 0.002-32 mg/L 30 MIC Test
920260	Quinupristin-dalfopristin QDA 0.002-32 mg/L 100 MIC Test
920261	Quinupristin-dalfopristin QDA 0.002-32 mg/L 10 MIC Test
92027	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L 30 MIC Test
920270	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L 100 MIC Test
920271	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L 10 MIC Test
92028	Sulbactam SUL 0.016-256 mg/L 30 MIC Test
920280	Sulbactam SUL 0.016-256 mg/L 100 MIC Test
920281	Sulbactam SUL 0.016-256 mg/L 10 MIC Test
92029	Temocillin TMO 0.064-1024 mg/L 30 MIC Test
920290	Temocillin TMO 0.064-1024 mg/L 100 MIC Test
920291	Temocillin TMO 0.064-1024 mg/L 10 MIC Test
92030	Azithromycin AZM 0.016-256 mg/L 30 MIC Test
920300	Azithromycin AZM 0.016-256 mg/L 100 MIC Test
920301	Azithromycin AZM 0.016-256 mg/L 10 MIC Test
92031	Sulfamethoxazole SMX 0.064-1024 mg/L 30 MIC Test
920310	Sulfamethoxazole SMX 0.064-1024 mg/L 100 MIC Test
920311	Sulfamethoxazole SMX 0.064-1024 mg/L 10 MIC Test
92032	Minocycline MN 0.016-256 mg/L 30 MIC Test
920320	Minocycline MN 0.016-256 mg/L 100 MIC Test
920321	Minocycline MN 0.016-256 mg/L 10 MIC Test
92033	Aztreonam ATM 0.016-256 mg/L 30 MIC Test
920330	Aztreonam ATM 0.016-256 mg/L 100 MIC Test
920331	Aztreonam ATM 0.016-256 mg/L 10 MIC Test
92034	Kanamycin K 0.016-256 mg/L 30 MIC Test
920340	Kanamycin K 0.016-256 mg/L 100 MIC Test
920341	Kanamycin K 0.016-256 mg/L 10 MIC Test
92035	Gemifloxacin GEM 0.002-32 mg/L 30 MIC Test
920350	Gemifloxacin GEM 0.002-32 mg/L 100 MIC Test
920351	Gemifloxacin GEM 0.002-32 mg/L 10 MIC Test
92036	Cefaclor CEC 0.016-256 mg/L 30 MIC Test

920360	Cefaclor CEC 0.016-256 mg/L 100 MIC Test
920361	Cefaclor CEC 0.016-256 mg/L 10 MIC Test
92037	Trimethoprim TM 0.002-32 mg/L 30 MIC Test
920370	Trimethoprim TM 0.002-32 mg/L 100 MIC Test
920371	Trimethoprim TM 0.002-32 mg/L 10 MIC Test
92038	Mupirocin MUP 0.064-1024 mg/L 30 MIC Test
920380	Mupirocin MUP 0.064-1024 mg/L 100 MIC Test
920381	Mupirocin MUP 0.064-1024 mg/L 10 MIC Test
92039	Cephalotin KF 0.016-256 mg/L 30 MIC Test
920390	Cephalotin KF 0.016-256 mg/L 0.016-256 100 MIC Test
920391	Cephalotin KF 0.016-256 mg/L 10 MIC Test
92040	Doripenem DOR 0.002-32 mg/L 30 MIC Test
920400	Doripenem DOR 0.002-32 mg/L 100 MIC Test
920401	Doripenem DOR 0.002-32 mg/L 10 MIC Test
92041	Pefloxacin PEF 0.016-256 mg/L 30 MIC Test
920410	Pefloxacin PEF 0.016-256 mg/L 100 MIC Test
920411	Pefloxacin PEF 0.016-256 mg/L 10 MIC Test
92042	Ceftriaxone CRO 0.016-256 mg/L 30 MIC Test
920420	Ceftriaxone CRO 0.016-256 mg/L 100 MIC Test
920421	Ceftriaxone CRO 0.016-256 mg/L 10 MIC Test
92043	Ceftriaxone CRO 0.002-32 mg/L 30 MIC Test
920430	Ceftriaxone CRO 0.002-32 mg/L 100 MIC Test
920431	Ceftriaxone CRO 0.002-32 mg/L 10 MIC Test
92044	Cloxacillin CX 0.016-256 mg/L 30 MIC Test
920440	Cloxacillin CX 0.016-256 mg/L 100 MIC Test
920441	Cloxacillin CX 0.016-256 mg/L 10 MIC Test
92045	Ciprofloxacin CIP 0.002-32 mg/L 30 MIC Test
920450	Ciprofloxacin CIP 0.002-32 mg/L 100 MIC Test
920451	Ciprofloxacin CIP 0.002-32 mg/L 10 MIC Test
92046	Spiramycin SP 0.002-32 mg/L 30 MIC Test
920460	Spiramycin SP 0.002-32 mg/L 100 MIC Test
920461	Spiramycin SP 0.002-32 mg/L 10 MIC Test
92048	Clarithromycin CLR 0.016-256 mg/L 30 MIC Test
920480	Clarithromycin CLR 0.016-256 mg/L 100 MIC Test
920481	Clarithromycin CLR 0.016-256 mg/L 10 MIC Test
92049	Ceftaroline CPT 0.016-256 mg/L 30 MIC Test
920490	Ceftaroline CPT 0.016-256 mg/L 100 MIC Test
920491	Ceftaroline CPT 0.016-256 mg/L 10 MIC Test
92050	Fosmidomycin FOM 0.016-256 mg/L 30 MIC Test
920500	Fosmidomycin FOM 0.016-256 mg/L 100 MIC Test
920501	Fosmidomycin FOM 0.016-256 mg/L 10 MIC Test
92051	Erythromycin E 0.016-256 mg/L 30 MIC Test
920510	Erythromycin E 0.016-256 mg/L 100 MIC Test
920511	Erythromycin E 0.016-256 mg/L 10 MIC Test
92052	Telavancin TLV 0.002-32 mg/L 30 MIC Test
920520	Telavancin TLV 0.002-32 mg/L 100 MIC Test
920521	Telavancin TLV 0.002-32 mg/L 10 MIC Test
92053	Telavancin TLV 0.016-256 mg/L 30 MIC Test
920530	Telavancin TLV 0.016-256 mg/L 100 MIC Test
920531	Telavancin TLV 0.016-256 mg/L 10 MIC Test
92054	Imipenem IMI 0.002-32 mg/L 30 MIC Test
920540	Imipenem IMI 0.002-32 mg/L 100 MIC Test
920541	Imipenem IMI 0.002-32 mg/L 10 MIC Test
92056	Ceftaroline CPT 0.002-32 mg/L 30 MIC Test
920560	Ceftaroline CPT 0.002-32 mg/L 100 MIC Test
920561	Ceftaroline CPT 0.002-32 mg/L 10 MIC Test
92057	Vancomycin VA 0.016-256 mg/L 30 MIC Test
920570	Vancomycin VA 0.016-256 mg/L 100 MIC Test
920571	Vancomycin VA 0.016-256 mg/L 10 MIC Test
92058	Ceftibuten CTB 0.002-32 mg/L 30 MIC Test

920580	Ceftibuten CTB 0.002-32 mg/L 100 MIC Test
920581	Ceftibuten CTB 0.002-32 mg/L 10 MIC Test
92060	Cefixime CFM 0.016-256 mg/L 30 MIC Test
920600	Cefixime CFM 0.016-256 mg/L 100 MIC Test
920601	Cefixime CFM 0.016-256 mg/L 10 MIC Test
92066	Cefoxitin FOX 0.016-256 mg/L 30 MIC Test
920660	Cefoxitin FOX 0.016-256 mg/L 100 MIC Test
920661	Cefoxitin FOX 0.016-256 mg/L 10 MIC Test
92070	Plazomicin PLZ 0.016-256 mg/L 30 MIC Test
920700	Plazomicin PLZ 0.016-256 mg/L 100 MIC Test
920701	Plazomicin PLZ 0.016-256 mg/L 10 MIC Test
92072	Clindamycin CD 0.016-256 mg/L 30 MIC Test
920720	Clindamycin CD 0.016-256 mg/L 100 MIC Test
920721	Clindamycin CD 0.016-256 mg/L 10 MIC Test
92074	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L 30 MIC Test
920740	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L 100 MIC Test
920741	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L 10 MIC Test
92075	Chloramphenicol C 0.016-256 mg/L 30 MIC Test
920750	Chloramphenicol C 0.016-256 mg/L 100 MIC Test
920751	Chloramphenicol C 0.016-256 mg/L 10 MIC Test
92078	Fosfomycin FOS 0.016-256 mg/L 30 MIC Test
920780	Fosfomycin FOS 0.016-256 mg/L 100 MIC Test
920781	Fosfomycin FOS 0.016-256 mg/L 10 MIC Test
92079	Fosfomycin FOS 0.064-1024 mg/L 30 MIC Test
920790	Fosfomycin FOS 0.064-1024 mg/L 100 MIC Test
920791	Fosfomycin FOS 0.064-1024 mg/L 10 MIC Test
92080	Delafloxacin DLX 0.002-32 mg/L 30 MIC Test
920800	Delafloxacin DLX 0.002-32 mg/L 100 MIC Test
920801	Delafloxacin DLX 0.002-32 mg/L 10 MIC Test
92081	Levofloxacin LEV 0.002-32 mg/L 30 MIC Test
920810	Levofloxacin LEV 0.002-32 mg/L 100 MIC Test
920811	Levofloxacin LEV 0.002-32 mg/L 10 MIC Test
92084	Meropenem MRP 0.002-32 mg/L 30 MIC Test
920840	Meropenem MRP 0.002-32 mg/L 100 MIC Test
920841	Meropenem MRP 0.002-32 mg/L 10 MIC Test
92085	Meropenem MRP 0.016-256 mg/L 30 MIC Test
920850	Meropenem MRP 0.016-256 mg/L 100 MIC Test
920851	Meropenem MRP 0.016-256 mg/L 10 MIC Test
92087	Metronidazole MTZ 0.016-256 mg/L 30 MIC Test
920870	Metronidazole MTZ 0.016-256 mg/L 100 MIC Test
920871	Metronidazole MTZ 0.016-256 mg/L 10 MIC Test
92090	Moxifloxacin MXF 0.002-32 mg/L 30 MIC Test
920900	Moxifloxacin MXF 0.002-32 mg/L 100 MIC Test
920901	Moxifloxacin MXF 0.002-32 mg/L 10 MIC Test
92093	Netilmicin NET 0.016-256 mg/L 30 MIC Test
920930	Netilmicin NET 0.016-256 mg/L 100 MIC Test
920931	Netilmicin NET 0.016-256 mg/L 10 MIC Test
92096	Norfloxacin NOR 0.016-256 mg/L 30 MIC Test
920960	Norfloxacin NOR 0.016-256 mg/L 100 MIC Test
920961	Norfloxacin NOR 0.016-256 mg/L 10 MIC Test
92099	Ofloxacin OFX 0.002-32 mg/L 30 MIC Test
920990	Ofloxacin OFX 0.002-32 mg/L 100 MIC Test
920991	Ofloxacin OFX 0.002-32 mg/L 10 MIC Test
92102	Penicillin G P 0.016-256 mg/L 30 MIC Test
921020	Penicillin G P 0.016-256 mg/L 100 MIC Test
921021	Penicillin G P 0.016-256 mg/L 10 MIC Test
92103	Penicillin G P 0.002-32 mg/L 30 MIC Test
921030	Penicillin G P 0.002-32 mg/L 100 MIC Test
921031	Penicillin G P 0.002-32 mg/L 10 MIC Test

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92105	Piperacillin PIP 0.016-256 mg/L 30 MIC Test
921050	Piperacillin PIP 0.016-256 mg/L 100 MIC Test
921051	Piperacillin PIP 0.016-256 mg/L 10 MIC Test
92108	Piperacillin* - tazobactam TZP 0.016-256* mg/L 30 MICTest
921080	Piperacillin* - tazobactam TZP 0.016-256* mg/L 100 MIC Test
921081	Piperacillin* - tazobactam TZP 0.016-256* mg/L 10 MIC Test
92111	Streptomycin S 0.064-1024 mg/L 30 MIC Test
921110	Streptomycin S 0.064-1024 mg/L 100 MIC Test
921111	Streptomycin S 0.064-1024 mg/L 10 MIC Test
92112	Streptomycin S 0.016-256 mg/L 30 MIC Test
921120	Streptomycin S 0.016-256 mg/L 100 MIC Test
921121	Streptomycin S 0.016-256 mg/L 10 MIC Test
92114	Tetracycline TE 0.016-256 mg/L 30 MIC Test
921140	Tetracycline TE 0.016-256 mg/L100 MIC Test
921141	Tetracycline TE 0.016-256 mg/L 10 MIC Test
92117	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L 30 MIC Test
921170	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L 100 MIC Test
921171	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L 10 MIC Test
92120	Tobramycin TOB 0.064-1024 mg/L 30 MIC Test
921200	Tobramycin TOB 0.064-1024 mg/L 100 MIC Test
921201	Tobramycin TOB 0.064-1024 mg/L 10 MIC Test
92121	Tobramycin TOB 0.016-256 mg/L 30 MIC Test
921210	Tobramycin TOB 0.016-256 mg/L 100 MIC Test
921211	Tobramycin TOB 0.016-256 mg/L 10 MIC Test
92123	Trimethoprim* - sulfamethoxazole (1/19) SXT 0.002-32* mg/L 30 MIC Test
921230	Trimethoprim*-sulfamethoxazole (1/19) SXT 0.002-32* mg/L 100 MIC Test
921231	Trimethoprim*-sulfamethoxazole (1/19) SXT 0.002-32* mg/L 10 MIC Test
92126	Cefepime FEP 0.016-256 mg/L 30 MIC Test
921260	Cefepime FEP 0.016-256 mg/L 100 MIC Test
921261	Cefepime FEP 0.016-256 mg/L 10 MIC Test
92127	Cefepime FEP 0.002-32 mg/L 30 MIC Test
921270	Cefepime FEP 0.002-32 mg/L 100 MIC Test
921271	Cefepime FEP 0.002-32 mg/L 10 MIC Test
92129	Cefuroxime CXM 0.016-256 mg/L 30 MIC Test
921290	Cefuroxime CXM 0.016-256 mg/L 100 MIC Test
921291	Cefuroxime CXM 0.016-256 mg/L 10 MIC Test
92132	Nalidixic Acid NA 0.016-256 mg/L 30 MIC Test
921320	Nalidixic Acid NA 0.016-256 mg/L 100 MIC Test
921321	Nalidixic Acid NA 0.016-256 mg/L 10 MIC Test
92135	Linezoliz LNZ 0.016-256 mg/L 30 MIC Test
921350	Linezoliz LNZ 0.016-256 mg/L 100 MIC Test
921351	Linezoliz LNZ 0.016-256 mg/L 10 MIC Test
92136	Tedizolid TZD 0.002-32 mg/L 30 MIC Test
921360	Tedizolid TZD 0.002-32 mg/L 100 MIC Test
921361	Tedizolid TZD 0.002-32 mg/L 10 MIC Test
92137	Dalbavancin DAL 0.002-32 mg/L 30 MIC Test
921370	Dalbavancin DAL 0.002-32 mg/L 100 MIC Test
921371	Dalbavancin DAL 0.002-32 mg/L 10 MIC Test
92138	Ceftazidime CAZ 0.016-256 mg/L 30 MIC Test
921380	Ceftazidime CAZ 0.016-256 mg/L 100 MIC Test
921381	Ceftazidime CAZ 0.016-256 mg/L 10 MIC Test
92139	Ceftazidime*- avibactam CZA 0.016-256* mg/L 30 MIC Test
921390	Ceftazidime*- avibactam CZA 0.016-256* mg/L 100 MIC Test
921391	Ceftazidime*- avibactam CZA 0.016-256* mg/L 10 MIC Test
92140	Ceftobiprole BPR 0.002-32 mg/L 30 MIC Test

921400	Ceftobiprole BPR 0.002-32 mg/L 100 MIC Test
921401	Ceftobiprole BPR 0.002-32 mg/L 10 MIC Test
92141	Colistin CS 0.016-256 mg/L 30 MIC Test
921410	Colistin CS 0.016-256 mg/L 100 MIC Test
921411	Colistin CS 0.016-256 mg/L 10 MIC Test
92142	Colistin CS 0.064-1024 mg/L 30 MIC Test
921420	Colistin CS 0.064-1024 mg/L 100 MIC Test
921421	Colistin CS 0.064-1024 mg/L 10 MIC Test
92144	Tigecycline TGC 0.016-256 mg/L 30 MIC Test
921440	Tigecycline TGC 0.016-256 mg/L 100 MIC Test
921441	Tigecycline TGC 0.016-256 mg/L 10 MIC Test
92145	Daptomycin DAP 0.016-256 mg/L 30 MIC Test
921450	Daptomycin DAP 0.016-256 mg/L 100 MIC Test
921451	Daptomycin DAP 0.016-256 mg/L 10 MIC Test
92146	Ceftolozane*-tazobactam C/T 0.016-256* mg/L 30 MIC Test
921460	Ceftolozane*-tazobactam C/T 0.016-256* mg/L 100 MIC Test
921461	Ceftolozane*-tazobactam C/T 0.016-256* mg/L 10 MIC Test
92147	Fluconazole FLU 0.016-256 mg/L 30 MIC Test
921470	Fluconazole FLU 0.016-256 mg/L 100 MIC Test
921471	Fluconazole FLU 0.016-256 mg/L 10 MIC Test
92148	Itraconazole ITC 0.002-32 mg/L 30 MIC Test
921480	Itraconazole ITC 0.002-32 mg/L 100 MIC Test
921481	Itraconazole ITC 0.002-32 mg/L 10 MIC Test
92149	Flucytosine FC 0.002-32 mg/L 30 MIC Test
921490	Flucytosine FC 0.002-32 mg/L 100 MIC Test
921491	Flucytosine FC 0.002-32 mg/L 10 MIC Test
92150	Voriconazole VO 0.002-32 mg/L 30 MIC Test
921500	Voriconazole VO 0.002-32 mg/L 100 MIC Test
921501	Voriconazole VO 0.002-32 mg/L 10 MIC Test
92151	Ketoconazole KE 0.002-32 mg/L 30 MIC Test
921510	Ketoconazole KE 0.002-32 mg/L 100 MIC Test
921511	Ketoconazole KE 0.002-32 mg/L 10 MIC Test
92152	Posaconazole POS 0.002-32 mg/L 30 MIC Test
921520	Posaconazole POS 0.002-32 mg/L 100 MICTest
921521	Posaconazole POS 0.002-32 mg/L 10 MIC Test
92153	Amphotericin B AMB 0.002-32 mg/L 30 MIC Test
921530	Amphotericin B AMB 0.002-32 mg/L 100 MICTest
921531	Amphotericin B AMB 0.002-32 mg/L 10 MIC Test
92154	Caspofungin CAS 0.002-32 mg/L 30 MIC Test
921540	Caspofungin CAS 0.002-32 mg/L 100 MIC Test
921541	Caspofungin CAS 0.002-32 mg/L 10 MIC Test
92155	Anidulafungin AND 0.002-32 mg/L 30 MIC Test
921550	Anidulafungin AND 0.002-32 mg/L 100 Test
921551	Anidulafungin AND 0.002-32 mg/L 10 MIC Test
92156	Doxycycline DXT 0.016-256 mg/L 30 MIC Test
921560	Doxycycline DXT 0.016-256 mg/L 100 MIC Test
921561	Doxycycline DXT 0.016-256 mg/L 10 MIC Test
92157	Ertapenem ETP 0.002-32 mg/L 30 MIC Test
921570	Ertapenem ETP 0.002-32 mg/L 100 MIC Test
921571	Ertapenem ETP 0.002-32 mg/L 10 MIC Test
92159	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L 30 MIC Test
921590	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L 100 MIC Test
921591	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L 10 MIC Test
92160	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L 30 MIC Test
921600	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L 100 MIC Test
921601	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L 10 MIC Test

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92161	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L 30 MIC Test
921610	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L100 MIC Test
921611	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L 10 MIC Test
92162	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L 30 MIC Test
921620	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L 100 MIC Test
921621	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L 10 MIC Test
92163	Vancomycin//Telcoplanin VA/TEC 0.5-32/0.5-32 mg/L 30 MIC Test
921630	Vancomycin//Telcoplanin VA/TEC 0.5-32/0.5-32 mg/L 100 MIC Test
921631	Vancomycin//Telcoplanin VA/TEC 0.5-32/0.5-32 mg/L 10 MIC Test
92164	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L 30 MIC Test
921640	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L 100 MIC Test
921641	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L 10 MIC Test
92165	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L 30 MIC Test
921650	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L 100 MIC Test
921651	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L 10 MIC Test
92166	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L 30 MIC Test
921660	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L 100 MIC Test
921661	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L 10 MIC Test
92167	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L 30 MIC Test
921670	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L 100 MIC Test
921671	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L 10 MIC Test
92168	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L 30 MIC Test
921680	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L 100 MIC Test
921681	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L 10 MIC Test
92169	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L 30 MIC Test
921690	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L 100 MIC Test
921691	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L 10 MIC Test
92170	Ethambutol EB 0.016-256 mg/L 30 MIC Test
921700	Ethambutol EB 0.016-256 mg/L 100 MIC Test
921701	Ethambutol EB 0.016-256 mg/L 10 MIC Test
92171	Isoniazide IZ 0.016-256 mg/L 30 MIC Test
921710	Isoniazide IZ 0.016-256 mg/L 100 MIC Test
921711	Isoniazide IZ 0.016-256 mg/L 10 MIC Test
92172	Ethionamide ET 0.016-256 mg/L 30 MIC Test
921720	Ethionamide ET 0.016-256 mg/L 100 MIC Test
921721	Ethionamide ET 0.016-256 mg/L 10 MIC Test
92173	Aztreonam ATM 0.064-1024 mg/L 30 MIC Test
921730	Aztreonam ATM 0.064-1024 mg/L 100 MIC Test
921731	Aztreonam ATM 0.064-1024 mg/L 10 MIC Test
92174	Cefazolin KZ 0.016-256 mg/L 30 MIC Test
921740	Cefazolin KZ 0.016-256 mg/L 100 MIC Test
921741	Cefazolin KZ 0.016-256 mg/L 10 MIC Test
92180	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L 30 MICTest
921800	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L 100 MIC Test
921801	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L 10 MIC Test
92181	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L 30 MIC Test
921810	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L 100 MIC Test

921811	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L 10 MIC Test
92182	Micafungin MYC 0.002-32 mg/L 30 MIC Test
921820	Micafungin MYC 0.002-32 mg/L 100 MIC Test
921821	Micafungin MYC 0.002-32 mg/L 10 MIC Test
92183	Ticarcillin TC 0.016-256 mg/L 30 MIC Test
921830	Ticarcillin TC 0.016-256 mg/L 100 MIC Test
921831	Ticarcillin TC 0.016-256 mg/L 10 MIC Test
92184	Isavuconazole IVU 0.002-32 mg/L 30 MIC Test
921840	Isavuconazole IVU 0.002-32 mg/L 100 MIC Test
921841	Isavuconazole IVU 0.002-32 mg/L 10 MIC Test
92200	Tiamulin TIA 0.002-32 mg/L 30 MIC Test
922000	Tiamulin TIA 0.002-32 mg/L 100 MIC Test
922001	Tiamulin TIA 0.002-32 mg/L 10 MIC Test
92201	Tilmicosin TIL 0.002-32 mg/L 30 MIC Test
922010	Tilmicosin TIL 0.002-32 mg/L 100 MIC Test
922011	Tilmicosin TIL 0.002-32 mg/L 10 MIC Test
93001	EASY RID h-IgG
93002	EASY RID h-IgA
93003	EASY RID h-IgM
93004	EASY RID h-C3c
93005	EASY RID h-C4
93006	EASY RID h-Transferrin
93007	EASY RID h-Albumin
93008	EASY RID h-Apolipoprotein A1
93009	EASY RID h-Apolipoprotein B
93010	EASY RID h-Alfa 1 Acid Glicoprotein
93011	EASY RID h-Fibrinogen
93012	EASY RID h-Antitrombin III
93013	EASY RID h-Ig Light Chain K
93014	EASY RID h-Ig Light Chain Lambda
93015	Anti h-alfa 1 Antitrypsin
93016	Anti h-Ceruloplasmin
93018	Anti h-Haptoglobin
93104	Multiplate h-IgG/IgA/IgM
93106	MULTIPLATE h-C3c/C4
93110	MULTIPLATE h-Apo A1/Apo B
93115	MULTIPLATE h-Kappa Chain/Lambda Chain
93201	BENGE JONES TEST
940010	RID CONTROL SERUM
9501	Optochine Test 100 Discs
9502	Bacitracin Test 100 Discs
9503	X FACTOR TEST 100 Discs
9504	V FACTOR TEST 100 Discs
9505	V+X FACTOR TEST 100 Discs
9508	METRONIDAZOLE TEST 100 Discs
9511	SULPHONAMIDE TEST 100 Discs
95200	ANAEROBES
95210	ENTEROCOCCI
95220	ENTEROBACTERIA 1
95230	ENTEROBACTERIA URINE
95240	ENTEROBACTERIA 2
95250	PSEUDOMONAS
95260	STAPH
95270	ACINETOBACTER
95280	YEASTS
95290	Strepto
95380	ENTEROBACTERIA
9555	MT-HAEMOPHILUS
9562	URIN-2
9563	MICE

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9564	KGL i (Gram + ve) 1 x 100 Test
9565	KGL II (Gram - ve) 1 x 100 Test
9566	KGL III 100 Test
9567	MULTODISC A
9568	MULTODISC B
9569	MULTODISC C
9570	MULTODISC D
9571	MULTODISC A (100 Pz) (Tender106/2003)
9573	MULTODISC C (100 Pz) (Tender106/2003)
9574	MULTODISC D (100 Pz) (Tender106/2003)
9575	URINE RING (Tender238/2006)
9576	PSEUDOMONAS RING (Tender238/2006)
9577	GRAM NEGATIVE RING (Tender238/2006)
9578	GRAM POSITIVE RING (Tender238/2006)
96001	SALMONELLA TYPHI H 20 ml
96002	SALMONELLA TYPHI O 20 ml
96003	SALMONELLA PARATYPHI AH 20 ml
96004	SALMONELLA PARATYPHI AO 20 ml
96005	SALMONELLA PARATYPHI BH 20 ml
96006	SALMONELLA PARATYPHI BO 20 ml
96007	BRUCELLA TOTALE 20 ml
96008	BRUCELLA ABORTUS 20 ml
96009	SALMONELLA TYPHI TOTALE 20 ml CE
96010	SALMONELLA PARATYPHI A TOTALE 20 ml
96011	PROTEUS OX2 20 ml
96012	PROTEUS OXK 20 ml
96013	PROTEUS OX19 20 ml
96015	FEBRILE MULTITEST KIT
96016	STREP-CHECK KIT
96017	STAPH LATEX KIT
96018	SALMONELLA PARATYPHI B TOTALE 20 ml
96019	SALMONELLA PARATYPHI CH 20 ml
96020	SALMONELLA PARATYPHI CO 20 ml
96021	SALMONELLA PARATYPHI C TOTALE 20 ml
96022	BRUCELLA MELITENSIS 20 ml
96023	BRUCELLA SUIS 20 ml
96031	SALMONELLA TYPHI H SLIDE 5 ml
96032	SALMONELLA TYPHI O SLIDE 5 ml
96033	SALMONELLA TYPHI TOTALE 5 ml SLIDE
96034	SALMONELLA PARATYPHI AH SLIDE 5 ml
96035	SALMONELLA PARATYPHI AO 5 ml SLIDE
96036	SALMONELLA PARATYPHI A TOTALE 5ml SLIDE
96037	SALMONELLA PARATYPHI BH 5 ml SLIDE
96038	SALMONELLA PARATYPHI BO 5 ml SLIDE
96039	SALMONELLA PARATYPHI B TOTALE 5ml SLIDE
96040	SALMONELLA PARATYPHI CH 5 ml SLIDE
96041	SALMONELLA PARATYPHI CO 5 ml SLIDE
96042	SALMONELLA PARATYPHI C TOTALE 5 ml SLIDE
96043	BRUCELLA TOTALE SLIDE 5 ml SLIDE
96044	BRUCELLA ABORTUS 5 ml SLIDE
96045	BRUCELLA MELITENSIS SLIDE 5 ml
96047	PROTEUS OX2 5 ml SLIDE
96048	PROTEUS OX19 5 ml SLIDE
96049	PROTEUS OXK 5 ml SLIDE
96093	CONTROLLO NEGATIVO/NEGATIVE CONTROL 0.5ml
96096	POSITIVE CONTROL FOR SALMONELLA 0.5ml
96097	POSITIVE CONTROL FOR PROTEUS 0.5ml
96098	POSITIVE CONTROL FOR BRUCELLA 0.5ml
96142	Legionella Latex Kit
96143	CAMPYLOBACTER LATEX KIT

96144	CLOSTRIDIUM DIFFICILE LATEX KIT
96148	SHIGELLA ANTISERUM
96150	E. COLI O157 LATEX KIT
96151	SALMONELLA LATEX KIT
96153	STREPTO B LATEX KIT
96154	STREPTO A LATEX KIT
96155	BENCE JONES LATEX TEST
96316	Clostridium difficile GDH Card
96317	Clostridium Difficile Toxin A+B Card
96318	Giardia Card
96319	Listeria Monocytogenes Card
96320	Salmonella Ag Card
96321	O157 E.coli Card
96401	ONE STEP AMP DRMG SCREEN 20 CARDS
96404	ONE STEP COC DRMG SCREEN
96405	ONE STEP THC DRMG SCREEN
96406	ONE STEP M-AMP DRMG SCREEN 20 CARDS
96415/20	FECAL OCCULT BLOOD CARD
96418	STREPTO A CARD 30 CARDS
96441	Gonorrea Ag Card
96442	Gardnerella Vaginalis Card
96443	Trichomonas Vaginalis Card
96444	B.J. Free Kappa/Lambda Dipstick
96455	H.PYLORI CARD 20 CARD
96460	HCG URINE/SERUM CARD 50 CARD
96461	HCG URINE/SERUM CARD 100 CARD
96462	MICROALBUMIN CARD URINE 20 Cards
96465	AFP -ALFA FETO CARD 20 CARDS
96468	TUBERCOLOSI CARD 20 CARDS
96480	IgE TOTAL CARD
96485	CEA CARD 20 Cards
96487	MYOGLOBIN
96488	TROPONIN 20 CARDS
96490	FERRITIN CARD
96495	SIFILIDE CARD 20 CARDS
96498	IM MONONUCLEOSIS INFECTION 20 CARDS
96590	URINE STRIP
96899	Giotto 2
96900	GIOTTO READER
96909	BIOMIC V3
96914	BIOMIC V3 AST
96915	BIOMIC V3 ID
96916	BIOMIC V3 CC
96919	AST Software
96931	ID Software
96932	CC Software
96933	Micropiastre 96 pozzetti Software
97600	ROTASTICK ONE STEP KIT 20 Test
97801	RSV STICK ONE STEP 20 Test
97802	ROTA/ADENO COMBI STICK ONE STEP 20 Test
97803	H.PYLORI FECAL Ag ONE STEP 20 Test
97807	ADENOSTICK ONE STEP ASSAY 20 Test
97809	Strepto B Card
9999	Blank Discs
99003	KPC&MBL disc kit (acc. to EUCAST)
99004	ESBL disc kit (acc. to EUCAST)
99005	ESBL disc kit (acc. to CLSI)
99006	ESBL (Chromos. Ind. AmpC) disc kit (acc. to EUCAST)
99007	KPC&MBL&OXA-48 disc kit (acc. to EUCAST)
99008	ESBL+AmpC screen disc kit

99009	AmpC disc kit

Direttore Tecnico/ Technical Director
Dr.Silvio Brocco

PEPTONE BACTERIOLOGICAL

Peptone obtained by enzymatic hydrolysis of animal tissue.

USE

PEPTONE BACTERIOLOGICAL is an enzymatic hydrolysate of meat that supplies a limpid, colorless and very stable watery solution. It is used in the preparation of culture media as a nitrogen source readily available for bacterial growth. It is a general use very nutritive peptone, with neutral pH.

PHYSICO-CHEMICAL CHARACTERISTICS

	Standard
Solubility in water at 2%	Complete
pH of 2% solution	7.0+/-0.5
Loss on drying	≤ 6.0%
Total nitrogen	>12.5%
α-amino nitrogen AN	3-4.5%
Ash	5.0%

TECHNIQUE

Peptone Bacteriological can be used as an ingredient of dehydrated culture media and need dissolution in distilled or deionized water and sterilization by autoclaving.

QUALITY CONTROL

Dehydrated powder
Appearance: free-flowing, homogeneous.
Color: cream.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

REFERENCES

1. Standard Methods for Examination of Water and Sewage, 15th ed., (1980).
2. J. Dairy Science, **16**: 277: (1933).

PRESENTATION

Product	REF	Σ
PEPTONE BACTERIOLOGICAL	611701	500 g
PEPTONE BACTERIOLOGICAL	621701	100 g
PEPTONE BACTERIOLOGICAL	6117015	5 Kg

TABLE OF SYMBOLS

LOT Batch code	Caution, consult accompanying documents	Manufacturer	Contains sufficient for <n> tests	IVD *In Vitro* Diagnostic Medical Device
REF Catalogue number	Fragile, handle with care	Use by	Temperature limitation	Keep away from heat source

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CE IVD

PEPTONE BACTERIOLOGICAL

Peptona obtenida a través de la hidrólisis enzimática de tejidos de origen animal.

DESCRIPCIÓN

TRYPTONE es un hidrolizado enzimático de carne que suministra una solución acuosa límpida, incolora y estable. Se utiliza en la preparación de medios de cultivo microbiológicos como fuente de nitrógeno. Es una peptona de uso general con pH neutro

CARACTERÍSTICAS FÍSICO - QUÍMICAS

	Estándar
Solubilidad en agua al 2%	Completa
pH (solución al 2%)	7,2 ± 0,5
Pérdida después de secado	≤ 6,0%
Nitrógeno total	>12,5%
α-amino nitrógeno AN	3-4,5 %
Residuo de combustión	≤ 5.0%

TÉCNICA

PEPTONE Bacteriological puede utilizarse como ingrediente para medios de cultivo deshidratados y debe ser disuelto en agua destilada o desionizada y esterilizado mediante el uso de un autoclave.

CONTROL DE CALIDAD

Medio deshidratado
Aspecto: suelto, homogéneo
Color: crema

ALMACENAMIENTO

El polvo deshidratado es muy higroscópico, almacenar a 10-30°C, en un entorno seco, en su frasco original correctamente cerrado. No utilizar el producto fuera de la fecha de caducidad descrita en la etiqueta o si el producto presenta alguna muestra de deterioro o contaminación.

REFERENCIAS

1. Standard Methods for Examination of Water and Sewage, 15th ed., (1980).
2. J. Dairy Science, 16: 277: (1933).

PRESENTACIÓN

Producto	Ref.	Empaquetado
PEPTONE BACTERIOLOGICAL	611701	500 g de polvo deshidratado en frasco de plástico
PEPTONE BACTERIOLOGICAL	621701	100 g de polvo deshidratado en frasco de plástico
PEPTONE BACTERIOLOGICAL	6117015	5 kg de polvo deshidratado en frasco de plástico

TABLA DE SÍMBOLOS

LOT Código de Lote	IVD Sistema Médico para diagnóstico *In vitro*	Fabricante	Utilizar antes de	Frágil, manipular con cuidado
REF Número de catálogo	Límites de temperatura	Contenido suficiente para <n> pruebas	Precaución, leer las instrucciones de uso	Mantener alejado de fuentes de luz

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CE IVD

Tryptic Soy Agar /102 3

Instructions For Use
ENGLISH

General purpose medium for the cultivation of a wide variety of organisms from clinical and nonclinical specimens, according to EN ISO 11133.

DESCRIPTION

Tryptic Soy Agar (TSA) is a non selective isolation medium used for the growth of bacteria which do not have specific nutritional requirements and for the preparation of reference strains with the aim of growth promotion tests of culture media.

This medium complies with EN ISO 11133 for microbiological examination of food, animal feed and water, where it is described as the main reference medium to carry out quantitative testing of specific culture media.

The medium is formulated as recommended in the harmonized chapters of the United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) although, for a use in Pharmacopoeia industry, Liofilchem offers identical products (ref. 10037S) which are specifically controlled according to the Pharmacopoeial performance requirements.

TYPICAL FORMULA

	(g/l)
Casein Peptone	15.0
Soy Peptone	5.0
Sodium Chloride	5.0
Agar	15.0

Final pH 7.3 ± 0.2 at 25°C

METHOD PRINCIPLE

Casein peptone and soy peptone provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Sodium chloride maintains osmotic balance in the medium. Agar is the solidifying agent.

The medium can be supplemented with blood for the growth of fastidious organisms and study of haemolytic reactions.

PREPARATION

Dehydrated medium	Suspend 40 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. If desired, add appropriate volume of sterile defibrinated blood for preparing 5 to 10% blood agar.
Medium in tubes/bottles	Melt the content of the tube/bottle in a water bath at 100°C (loosing the cap partially removed) until completely dissolved. Then screw the cap and check the homogeneity of the dissolved medium, if it is the case turning the tube/bottle upside down. Cool at 45-50°C, mix well avoiding foam formation and aseptically distribute into Petri dishes.

TEST PROCEDURE

1. Perform serial dilutions of the test sample in order to achieve a colony count of between 15 and 300 colonies per plate. Use a suitable diluent such as Buffered Peptone Water (ref. 24099) or Maximum Recovery Broth (ref. 20071).
2. Inoculate the medium by pour plating or spread/streak method.
3. Incubation conditions may vary depending on the organisms under study. For a general aerobic count, incubate aerobically at 30°C for 72 hours.

For use as standard medium, refer to EN ISO 11133 for specific instructions.

INTERPRETING RESULTS

Observe colony growth.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: slightly opalescent, light amber.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles, tubes and prepared plates at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Medium in tubes/bottles: 2 years.
Medium in slant tubes: 1 year.
Ready-to-use plates: 6 months.

QUALITY CONTROL

The medium is inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: 50-100 CFU.
Incubation conditions: set according to EN ISO 11133 and shown on the quality control certificate for each batch.

QC Table.

Microorganism		Growth
Listeria monocytogenes 4b	WDCM 00021	Good
Staphylococcus aureus	WDCM 00034	Good
Clostridium perfringens	WDCM 00007	Good
Bacillus cereus	WDCM 00001	Good
Escherichia coli	WDCM 00012	Good
Bacillus subtilis	WDCM 00003	Good
Pseudomonas aeruginosa	WDCM 00024	Good
Enterococcus faecalis	WDCM 00087	Good

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use.
The product is intended for *in vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. EN ISO 11133:2014, Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
2. European Pharmacopoeia 6.5 (2009) 2.6.13, Microbiological examination of non-sterile products: Test for specified microorganisms.
3. United States Pharmacopoeia 32 NF 27 (2009) <62> Microbiological examination of non-sterile products: Test for specified microorganisms.
4. Japanese Pharmacopoeia 4.05 (2008) Microbiological examination of non-sterile products: Test for specified microorganisms.
5. ISO 4833:2003, Microbiology of food and animal feeing stuffs – Horizontal method for the enumeration of microorganisms – Colony count technique at 30°C.
6. Vanderzant C. and D.F. Splittstoesser (1992) Compendium of methods for the microbiological examination of foods, 3rd ed. American Public Health Association, Washington D.C.
7. Greenberg A.E, L.S. Clesceri and A.D. Eaton (1995) Standards methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington D.C.
8. ISO 9308-1:2000 Water quality - Detection and enumeration of *Escherichia coli* and coliform bacteria - Part 1: Membrane filtration method.

PRESENTATION	Category	Packaging	Ref.
Tryptic Soy Agar	90 mm ready-to-use plates	20 plates	10037
Tryptic Soy Agar	90 mm ready-to-use plates	100 plates	10037*
Tryptic Soy Agar	Tubes - Bottles	10 x 9 ml slant tubes	30082
Tryptic Soy Agar	Tubes - Bottles	20 x 9 ml slant tubes	31082
Tryptic Soy Agar	Tubes - Bottles	100 x 20 ml tubes	26475
Tryptic Soy Agar	Tubes - Bottles	6 x 500 ml bottles	470010
Tryptic Soy Agar	Tubes - Bottles	6 x 225 ml bottles	414110 ◆
Tryptic Soy Agar	Tubes - Bottles	6 x 200 ml bottles	432290
Tryptic Soy Agar	Tubes - Bottles	25 x 200 ml bottles	452290
Tryptic Soy Agar	Tubes - Bottles	6 x 100 ml bottles	442290
Tryptic Soy Agar	Dehydrated media	500 g of powder	610052
Tryptic Soy Agar	Dehydrated media	100 g of powder	620052
Tryptic Soy Agar	Dehydrated media	5 kg of powder	6100525

◆, not CE marked

TABLE OF SYMBOLS

LOT Batch code	IVD *In vitro* Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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CE IVD

Instructions For Use
ENGLISH

R2A Agar

Medium for enumerating heterotrophic organisms in water, according to the EP and APHA.

DESCRIPTION

R2A Agar is a low nutrient medium used for microbial monitoring of treated potable water.

This medium is recommended by the European Pharmacopoeia (EP) and the American Public Health Association (APHA) for the examination of water.

TYPICAL FORMULA

	(g/l)
Yeast Extract	0.5
Protease Peptone	0.5
Casein Hydrolysate	0.5
Glucose	0.5
Starch	0.5
Dipotassium Hydrogen Phosphate	0.3
Magnesium Sulphate, Anhydrous	0.024
Sodium Pyruvate	0.3
Agar	15.0
Final pH 7.2 ± 0.2 at 25°C	

METHOD PRINCIPLE

Yeast extract is a source of vitamins, particularly of B-group. Protease peptone and casein hydrolysate provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Glucose is the fermentable carbohydrate. Starch aids in the recovery of injured organisms by absorbing toxic metabolic by-products. Dipotassium phosphate maintains the osmotic balance the medium. Magnesium sulphate is a source of divalent cations and sulfate. Sodium pyruvate increases the recovery of stressed cells. Agar is the solidifying agent.

PREPARATION

Dehydrated medium: Suspend 18.1 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

Medium in bottles: Melt the content of the bottle in a water bath at 100°C (loosing the cap partially removed) until completely dissolved. Then screw the cap and check the homogeneity of the dissolved medium, if it is the case turning the bottle upside down. Cool at 45-50°C, mix well avoiding foam formation and aseptically distribute into Petri dishes.

TEST PROCEDURE

1. Perform serial dilutions of the water sample in order to achieve a suitable colony count and prepare two sets of plates for each dilution.
2. Inoculate the medium by pour plating, spread plating or membrane filtration method. RODAC plates can also be used directly on surfaces to asses the efficacy of cleaning and sanitization procedures as part of the overall microbiological monitoring program.
3. Incubate aerobically one set of plates at 30-35°C for 3-5 days and the other set at 20-25°C for 5-7 days.

NB. Incubation conditions may vary depending on the organisms under study. Generally, a lower incubation temperature and longer incubation period, stimulates the growth of stressed and chlorine-tolerant bacteria.

INTERPRETING RESULTS

Report the count as CFU/ml of sample allowing for dilution factors and noting incubation time and temperature.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: slightly opalescent with a slight precipitate, light amber.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles and prepared plates at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Medium in bottles: 2 years.
Ready-to-use plates: 6 months.

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QUALITY CONTROL

Plates are inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: ≤ 100 CFU
Incubation conditions: aerobic, 32.5 ± 2.5°C for up to 3 days (bacteria) and at 22.5 ± 2.5°C for 5-7 days (yeasts and moulds).

QC Table.

Microorganism		Growth
*Pseudomonas aeruginosa**	ATCC® 9027	Good
*Bacillus subtilis**	ATCC® 6633	Good
Enterococcus faecalis	ATCC® 19433	Good
Escherichia coli	ATCC® 8739	Good
Staphylococcus aureus	ATCC® 6538	Good
Candida albicans	ATCC® 10231	Good
Aspergillus brasiliensis	ATCC® 16404	Good

(*) Pharmacopoeia growth promotion.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. European Pharmacopoeia 7.0 (2009) Water For Injections / Water, Highly Purified.
2. Clesceri, L.S., A.E. Greenberg, and A.D. Eaton (1998) Standard Methods for the Examination of Water and Wastewater. 20th ed. American Public Health Association, Washington, D.C.
3. Reasoner, D.J. and E.E. Geldreich (1985) Appl. Environ. Microbiol. 49:1-7.

PRESENTATION		Contents	Ref.
R2A Agar	90 mm ready-to-use plates	20 plates	10019
R2A Agar	60 mm ready-to-use plates	20 plates	163672
R2A Agar	55 mm ready-to-use RODAC plates	20 plates	15354
R2A Agar	Bottles (screw cap)	6 x 500 ml bottles	463110
R2A Agar	Bottles (wide neck)	6 x 500 ml bottles	472580
R2A Agar	Bottles (screw cap)	6 x 100 ml bottles	402580
R2A Agar	Dehydrated medium	500 g of powder	610129
R2A Agar	Dehydrated medium	100 g of powder	620129

TABLE OF SYMBOLS

LOT Batch code	Keep away from sunlight	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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Campylobacter Blood Free Medium Base

Selective medium for detection of *Campylobacter* spp from clinical specimens and other materials, according to ISO 10272.

TYPICAL FORMULA

	(g/l)
Meat Extract	10.0
Enzymatic Digest of Animal Tissues	10.0
Sodium Chloride	5.0
Charcoal	4.0
Enzymatic Digest of Casein	3.0
Sodium Deoxycholate	1.0
Iron(II) Sulfate	0.25
Sodium Pyruvate	0.25
Agar	12.0

Final pH 7.4 ± 0.2 at 25°C

DESCRIPTION

Campylobacter Blood Free Medium Base is a selective medium used with supplements for the isolation and enumeration of *Campylobacter* spp from food, environmental samples and clinical specimens.

The complete medium, also known as modified charcoal cefoperazone deoxycholate agar (mCCDA), is formulated according to the APHA and ISO 10272 and was developed to replace blood with charcoal, ferrous sulfate and sodium pyruvate.

PRINCIPLE

Meat extract, enzymatic digest of animal tissues and enzymatic digest of casein provide amino acids, nitrogen, carbon, minerals, vitamins and other nutrients for organisms growth. Sodium chloride maintains the osmotic balance of the medium. Charcoal absorbs toxic compounds and metabolites. Sodium deoxycholate inhibits most Gram-positive bacteria. Ferrous sulfate and sodium pyruvate are oxygen scavengers. Agar is the solidifying agent.

Supplementation with Campylobacter CCDA Supplement (ref. 81037), containing Cefoperazone and Amphotericin B, inhibits the accompanying microbial flora.

PREPARATION

Suspend 45.5 g of powder in 1 liter of deionized or distilled water. Bring to boil and shake until completely dissolved. Sterilize at 121°C for 15 minutes. Cool up to 45-50°C. Aseptically, add rehydrated content of 2 vials (10 ml) of Campylobacter CCDA Supplement. Mix well. Pour in Petri dishes.

TECHNIQUE

Inoculate the plates by directly spreading the sample material over the agar surface (*). Incubate at 41.5°C for 40-48 hours in a microaerobic atmosphere (approximately 5-6% oxygen, 3-10% CO_2 and 84-85% nitrogen).

* ISO 10272 recommends to perform a first enrichment step in Bolton Broth (ref. 470340) prior to inoculate the mCCDA.

INTERPRETATION OF RESULTS

Examine the plates for typical colonies of *Campylobacter* spp which appear greyish, flat and moist, often with a metallic sheen and a tendency to spread. Other form of colonies may occur.

For confirmation of *Campylobacter* spp, subculture suspected colonies to Columbia Blood Agar plates (ref. 11025) and examine pure cultures for morphology, motility, microaerobic growth at 25°C, aerobic growth at 41.5°C and oxidase activity.

STORAGE AND TRANSPORT CONDITIONS

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared plates at 2-8°C away from light.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous, it is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for *in vitro* diagnostic use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

- EN ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
- ISO 10272-1:2006. Microbiology of food and animal feeding stuffs – Horizontal method for detection and enumeration of Campylobacter spp. – Part 1: Detection method. – Part 2: Colony-count technique.
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CE IVD

PRODUCT SPECIFICATIONS

NAME
Campylobacter Blood Free Medium Base

PRESENTATION
Dehydrated medium

STORAGE
10-30°C

PACKAGING

Ref.	Content	Packaging
610130	500 g	500 g of powder in plastic bottle
620130	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM
7.4 ± 0.2

USE
Campylobacter Blood Free Medium Base is a selective medium used with supplements for the isolation and enumeration of *Campylobacter* spp from food, environmental samples and clinical specimens, according to ISO 10272

TECHNIQUE
Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM
Powder medium
Appearance: free-flowing, homogeneous
Colour: grey-black
Ready-to-use medium
Appearance: opaque
Colour: black

SHELFLIFE
4 years

QUALITY CONTROL
1. Control of general characteristics, label and print
2. Microbiological control
   Inoculum for productivity: 50-100 CFU
   Inoculum for selectivity: 10^4-10^6 CFU
   Incubation Conditions: 40-48 h at 41.5 ± 1°C, in microaerobic atmosphere

Microorganism		Growth
Campylobacter jejuni	WDCM 00156	Good
Campylobacter jejuni	WDCM 00005	Good
Escherichia coli	WDCM 00013	Inhibited
Staphylococcus aureus	WDCM 00034	Inhibited

TABLE OF SYMBOLS

LOT Batch code	IVD *In vitro* Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult instructions for use	Do not reuse

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CE IVD

Instructions For Use
ENGLISH

Brilliant Green Bile Broth 2%

Liquid medium for detection or confirmation of coliform bacteria in water and food, according to APHA, ISO 4831 and ISO 4832.

DESCRIPTION

Brilliant Green Bile Broth 2% is a liquid medium used for the detection or confirmation of coliform bacteria in water and wastewater, foods, dairy products and other materials of sanitary importance.

Brilliant Green Bile Broth 2% is formulated according to APHA, ISO 4831 and ISO 4832.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	10.0
Lactose	10.0
Ox Bile	20.0
Brilliant Green	0.0133

Final pH 7.2 ± 0.2 at 25°C

METHOD PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Lactose is the fermentable carbohydrate. Ox bile and brilliant green inhibit Gram-positive bacteria and many Gram-negative bacteria, other than coliforms.

PREPARATION

Dehydrated medium: Suspend 40.0* g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Distribute into 10 ml tubes with Durham gas collecting tube. Sterilize in autoclave at 121°C for 15 minutes.

*Dissolve 80.0 g of the power in 1 liter of distilled or deionized water to make the double strength broth.

Medium in bottles: Aseptically, dispense the medium into tubes fitted with Durham tubes.

TEST PROCEDURE

1. For coliforms detection, inoculate tubes with 1 ml diluted or undiluted sample (use double strength broth for larger volume samples). For use in the confirmation of presumptive tests, subculture from Lauryl Sulphate Tryptose Broth (ref. 21453) or from typical coliform colonies on Violet Red Bile Lactose Agar (ref. 11183).
2. To indicate the presence of *Escherichia coli*, incubate at 44 ± 1°C for 48 hours. ISO 4831 and ISO 4832 recommend to incubate at 30°C or 37°C for 24-48 hours.
3. Examine tubes for gas formation.

INTERPRETING RESULTS

Turbidity and gas production indicate coli-aerogenes organisms.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, green-beige.
Prepared medium: clear, green.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles and tubes at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Medium in tubes/bottles: 2 years.

© Liofilchem® - Brilliant Green Bile Broth 2%- Rev.0.1 / 22.05.2018

QUALITY CONTROL

The tubes are inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: ≤100 CFU.
Inoculum for selectivity: >10³ CFU.
Incubation conditions: 30 ± 1°C for 24-48 hours.

QC Table.

Microorganism		Growth	Gas
Escherichia coli	WDCM 00012	Good	+
Escherichia coli	WDCM 00013	Good	+
Citrobacter freundii	WDCM 00006	Good	+
Enterococcus faecalis	WDCM 00009	Partially to completely inhibited	–
Enterococcus faecalis	WDCM 00087	Partially to completely inhibited	–

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.ù
2. ISO 4831:2006. Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of coliforms – Most probable number technique.
3. ISO 4832:2006. Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of coliforms – Colony Count technique.
4. Clesceri, Greenberg and Eaton (1998) Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association (APHA), Washington, D.C.
5. Marshall (1993) Standard methods for the examination of dairy products, 16th ed. American Public Health Association (APHA), Washington, D.C.

PRESENTATION	Category	Packaging	Ref.
Brilliant Green Bile Broth 2%	Tubes/Bottles	10 x 10 ml tubes	20102
Brilliant Green Bile Broth 2%	Tubes/Bottles	20 x 10 ml tubes	24102
Brilliant Green Bile Broth 2%	Tubes/Bottles	100 x 10 ml tubes	26102
Brilliant Green Bile Broth 2%	Tubes/Bottles	6 x 100 ml bottles	402560
Brilliant Green Bile Broth 2%	Dehydrated medium	500 g of powder	610010
Brilliant Green Bile Broth 2%	Dehydrated medium	100 g of powder	620010
Brilliant Green Bile Broth 2%	Dehydrated medium	5 kg of powder	6100105

TABLE OF SYMBOLS

LOT Batch code	Keep away from sunlight	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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Instructions For Use
ENGLISH

EC Broth

Selective liquid medium for detection and enumeration of coliform bacteria and *E. coli* in water and food, according to ISO 7251.

DESCRIPTION

EC Broth is a liquid medium used for the selective detection of coliform bacteria and *Escherichia coli* in water and wastewater, foods and other materials of sanitary importance, according to ISO 7251.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	20.0
Lactose	5.0
Bile Salts	1.5
Dipotassium Phosphate	4.0
Monopotassium Phosphate	1.5
Sodium Chloride	5.0

Final pH 6.9 ± 0.2 at 25°C

METHOD PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Lactose is the fermentable carbohydrate. Bile salts inhibit Gram-positive bacteria, especially enterococci. Phosphates act as buffer. Sodium chloride maintains the osmotic balance of the medium.

PREPARATION

Dehydrated medium: Suspend 37.0 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Distribute into 10 ml tubes with Durham gas collecting tube. Sterilize in autoclave at 121°C for 15 minutes.

TEST PROCEDURE

For detection and enumeration of *E. coli*, ISO 7251 recommends to first inoculate the initial suspension of the test sample into tubes of Lauryl Sulfate Tryptose Broth (LST), ref. 21453 and Lauryl Sulfate Tryptose Broth (LST) Double, ref. 21454. After incubation at 37°C for 24-48 h, tubes are examined for turbidity and gas production. Then, each positive test tube is subcultured to a EC Broth tube and incubated at 44°C for 24-48 h.

Alternatively, EC Broth can be directly inoculated with the sample and incubated for 24 ± 2 h and up to 48 h at 35 ± 2°C for detection of coliforms or at 44.5 ± 1°C for the isolation of *Escherichia coli*.

INTERPRETING RESULTS

Gas production is to be consider as a preliminary positive result. Indole test as well as other biochemical tests should be carried out for confirmation of *Escherichia coli* after subculturing on suitable media.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: clear, light amber.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store tubes at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Medium in tubes: 2 years.

QUALITY CONTROL

Tubes are inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: ≤100 CFU
Inoculum for selectivity: >10³ CFU
Incubation conditions: 44 ± 2°C for 24 ± 2 hours.

QC Table.

Microorganism		Growth	Gas
Escherichia coli	ATCC® 25922	Good	+
Escherichia coli	ATCC® 8739	Good	+
Enterococcus faecalis	ATCC® 29212	Inhibited	–

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. ISO 7251:2005. Microbiology of food and animal feeding stuffs – Horizontal method for the detection of presumptive *Escherichia coli* – Most probable Number technique.
2. Clesceri, Greenberg and Eaton (1998) Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association (APHA), Washington, D.C.
3. Perry C.A. and A.A. Hajna (1944) Further evaluation of EC medium for the isolation of coliform bacteria and *Escherichia coli*. Am. J.Public Health 34:735-738.

PRESENTATION

		Contents	Ref.
EC Broth	Tubes	10 x 10 ml tubes	20122
EC Broth	Tubes	20 x 10 ml tubes	24122
EC Broth	Tubes	100 x 10 ml tubes	26122
EC Broth	Dehydrated medium	500 g of powder	610063
EC Broth	Dehydrated medium	100 g of powder	620063

TABLE OF SYMBOLS

LOT Batch code	Keep away from sunlight	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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Instructions For Use
ENGLISH

TBX Agar

Chromogenic medium for detection and enumeration of *E. coli*, according to ISO 16649 (all parts).

DESCRIPTION

TBX Agar is a chromogenic selective medium used for the isolation and identification of *Escherichia coli* in foods, according to ISO 16649-1, -2 and -3.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	20.0
Bile Salts No. 3	1.5
X-Glucuronide	0.075
Agar	15.0

Final pH 7.2 ± 0.2 at 25°C

METHOD PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Bile salts act as selective agent inhibiting most Gram-positive bacteria.
5-bromo-4-chloro-3-indolyl-β-D-glucuronide (BCIG) is the chromogenic substrate cleaved by the enzyme β-glucuronidase of *E. coli*. Agar is the solidifying agent.

PREPARATION

Dehydrated medium: Suspend 36.6 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

Medium in bottles: Melt the content of the bottle in a water bath at 100°C (loosing the cap partially removed) until completely dissolved. Then screw the cap and check the homogeneity of the dissolved medium, if it is the case turning the bottle upside down. Cool at 45-50°C, mix well avoiding foam formation and aseptically distribute into Petri dishes.

TEST PROCEDURE

ISO 16649-1 recommends the following procedure:

1. Place a filter membrane onto two plates of Mineral-Modified Glutamate Agar (MMGA) and spread 1 ml of the test sample over the whole membrane surface. Repeat the procedure with the further decimal dilutions, if necessary. Leave inoculated plates at room temperature for 15 min and incubate at 37°C for 4 ± 1 hours.
2. After the resuscitation period transfer the membranes to TBX Agar plates and incubate at 44°C for 18-24 h.

Alternatively, direct inoculation methods, either pour plate method or surface plate technique, can be used.
For the recovery of sub-lethally injured *E. coli*, incubate plates at 37°C or 30°C for 4 hours. Continue incubation at 44°C for additional 18-20 hours.

INTERPRETING RESULTS

After incubation observe the color of the colonies and interpret the results as indicated in the ID table.
Count typical CFU in all plates containing 15-300 colonies in total (typical and non-typical).

ID Table.

Microorganism	Typical colony color
β-glucuronidase-positive *Escherichia coli*	Blue to blue-green
β-glucuronidase-negative bacteria (if not inhibited)	White to green-beige

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: slightly opalescent, colorless to light beige.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles and prepared plates at 2-8°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

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SHELF LIFE

Dehydrated medium: 2 years.
Medium in bottles: 1 year.
Ready-to-use plates: 4 months.

QUALITY CONTROL

Plates are inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: 50-100 CFU.
Inoculum for selectivity: 10^4-10^6 CFU.
Incubation conditions: aerobically at 44 ± 1°C for 18-24 hours.

QC Table.

Microorganism		Growth	Specification
Escherichia coli	WDCM 00013	Good	Blue to blue-green colonies
Escherichia coli	WDCM 00202	Good	Blue to blue-green colonies
Enterococcus faecalis	WDCM 00009	Inhibited	---
Citrobacter freundii	WDCM 00006	Good	White to green-beige colonies
Pseudomonas aeruginosa	WDCM 00025	Good	White to green-beige colonies

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. ISO 16649 (2001) Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of β-glucuronidase-positive *Escherichia coli* – Part 1: Colony-count technique at 44°C using membranes and 5-bromo-4-chloro-3-indolyl-β-D-glucuronide – Part 2: Colony-count technique at 44°C using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide – Part 3: Most probable number technique.
2. Ogden I.D., and A.J. Watt (1991) An evaluation of fluorogenic and chromogenic assays for the direct enumeration of *E. coli*. Letters in App. Microbiol. 13:212-215.
3. Delisle G.L., and A. Ley (1989) Rapid detection of *E. coli* in urine samples by a new chromogenic β-Dglucuronidase assay. J. Clin. Microbiol. 27:778-779.

PRESENTATION

		Contents	Ref.
TBX Agar	90 mm ready-to-use plates	20 plates	10522
TBX Agar	60 mm ready-to-use plates	20 plates	163652
TBX Agar	Bottles	6 x 100 ml bottles	481170
TBX Agar	Dehydrated medium	500 g of powder	610224
TBX Agar	Dehydrated medium	100 g of powder	620224

TABLE OF SYMBOLS

LOT Batch code	Keep away from sunlight	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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Instructions For Use
ENGLISH

MacConkey Broth

Liquid enrichment medium for detection of coliform bacteria, according to USP/EP/JP.

DESCRIPTION

MacConkey Broth is a liquid medium used for the selective cultivation of Gram-negative, lactose-fermenting bacilli in water, food and pharmaceutical raw materials as a presumptive test for coliform organisms.

This medium complies with the recommendations of the harmonized method in the United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) for the detection of *E. coli* in non sterile products.

TYPICAL FORMULA

	(g/l)
Pancreatic Digest of Gelatin	20.0
Lactose Monohydrate	10.0
Dehydrated Ox Bile	5.0
Bromocresol Purple	0.01

Final pH 7.3 ± 0.2 at 25°C

METHOD PRINCIPLE

Pancreatic digest of gelatin provides amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Lactose is the fermentable carbohydrate. Ox bile inhibits the growth of Gram-positive bacteria. Bromocresol purple is the pH indicator.

PREPARATION

Dehydrated medium: Suspend 35 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Dispense into tubes containing Durham tubes. Autoclave at 121°C for 15 minutes.

TEST PROCEDURE

As in the Pharmacopoeia, prepare a sample using a 1 in 10 dilution of not less than 1 g of the product to be examined by choosing as diluent Buffered Peptone Water (ref. 24099 or 412090) or Maximum Recovery Broth (ref. 20071 or 412420). Use 10 ml of this solution or the quantity corresponding to 1 g or 1 ml of the sample to inoculate Tryptic Soy Broth (ref. 452080) and incubate at 30-35°C for 18-24 hours.

Transfer 1 ml of the pre-enrichment culture to 100 ml of MacConkey Broth and incubate at 42-44°C for 24-48 hours.

To isolate *E. coli*, subculture on a plate of MacConley Agar (ref. 10029) and incubate aerobically at 30-35°C for 18-72 hours.

NB. Durham tubes of MacConeky Broth are usually inoculated directly with the test sample or its dilutions.

INTERPRETING RESULTS

Turbidity of MacConkey Broth indicates microbial growth. Acid production due to lactose fermentation causes a color change of the medium to yellow. Gas is also produced, collecting in Durham tubes. Non-fermenting Gram-negative organisms produce good growth but without significant changes in color nor gas formation.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: clear, purple.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store tubes and bottles at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Medium in tubes/bottles: 2 years.

© Liofilchem® - MacConkey Broth - USP/EP/JP - Rev.1.1 / 17.03.2016

QUALITY CONTROL

The medium is inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: ≤100 CFU.
Inoculum for selectivity: >100 CFU.
Incubation conditions: 24-48 h at 42-44°C (Pharmacopoeia growth promotion).

QC Table.

Microorganism		Specification
Escherichia coli	ATCC® 8739	Good growth
Staphylococcus aureus	ATCC® 6538	Inhibition

WARNING AND PRECAUTIONS

The product contains hazardous substances in concentrations exceeding the limits set by current legislation and therefore is classified as dangerous. It is recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. European Pharmacopoeia 6.5 (2009) 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms.
2. United States Pharmacopoeia 32 NF 27 (2009) <62> Microbiological examination of non-sterile products: Test for specified microorganisms.
3. Japanese Pharmacopoeia 4.05 (2008) Microbiological examination of non-sterile products: Test for specified microorganisms.
4. Murray, Baron, Jorgensen, Landry and Pfaller ed. (2007) Manual of clinical microbiology, 9th ed. American Society for Microbiology, Washington, D.C.
5. Murray, Baron, Jorgensen, Landry and Pfaller ed. (2007) Manual of clinical microbiology, 9th ed. American Society for Microbiology, Washington, D.C.

PRESENTATION

		Contents	Ref.
MacConkey Broth	Durham tubes	10 x 10 ml tubes	20126
MacConkey Broth	Durham tubes	20 x 10 ml tubes	24126
MacConkey Broth	Bottles (perforable cap)	6 x 100 ml bottles	494000
MacConkey Broth	Bottles (flip-off cap)	25 x 100 ml bottles	453090
MacConkey Broth	Dehydrated medium	500 g of powder	610337

TABLE OF SYMBOLS

LOT	Batch code		Warning		Manufacturer		Use by		Fragile, handle with care
REF	Catalogue number		Temperature limitation	Σ	Contains sufficient for <n> tests		Caution, consult Instruction For Use		Do not reuse

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Mitis Salivarius Agar

Selective medium for the isolation of streptococci and enterococci from clinical specimens.

TYPICAL FORMULA	(g/l)
Enzymatic Digest of Casein	15.0
Enzymatic Digest of Animal Tissue	5.0
Sucrose	50.0
Dextrose	1.0
Dipotassium Phosphate	4.0
Trypan Blue	0.075
Crystal Violet	0.0008
Agar	15.0
Final pH 7.0 ± 0.2 at 25°C	

DESCRIPTION

Mitis Salivarius Agar is a medium used with supplements for the selective isolation of viridans streptococci, such as *Streptococcus mitis* and *Streptococcus salivarius*, and enterococci, from specimens containing mixed microbial flora.

PRINCIPLE

Enzymatic digest of casein and enzymatic digest of animal tissue provide amino acids, nitrogen, carbon, minerals, vitamins and other nutrients for organisms growth. Sucrose and dextrose are the fermentable carbohydrates. Dipotassium phosphate is the buffering agent. Trypan blue is absorbed by the colonies, producing a blue colour. Crystal violet inhibits most Gram-negative bacilli and Gram-positive bacteria except streptococci. Agar is the solidifying agent.

Potassium Tellurite 1% Supplement (ref. 80022) is added to the medium to aid in suppressing the contaminant bacterial flora.

PREPARATION

Suspend 90.0 g of powder in 1 liter of deionized or distilled water. Bring to boil and shake until completely dissolved. Sterilize at 121°C for 15 minutes. Cool up to 45-50°C. Aseptically, add 1 ml of Potassium Tellurite 1% Supplement. Pour in Petri dishes.

TECHNIQUE

Inoculate and streak the specimen as soon as possible after it is received in the laboratory. Incubate the plates at 35 ± 2°C for 24-48 hours in atmosphere enriched with 5% carbon dioxide. Include a nonselective agar plate (e.g., blood agar) to increase the chance of recovering organisms present in low numbers and to provide an indication of other organisms present in the specimen.

INTERPRETATION OF RESULTS

S. mitis cultivates with small blue colonies. These colonies may become easier to distinguish with longer incubation. *S. salivarius* produces blue, smooth or rough "gum drop" colonies, 1-5 mm in diameter depending on the number of colonies on the plate. *Enterococcus* spp. form dark blue or black, shiny, slightly raised, 1-2 mm colonies.

STORAGE AND TRANSPORT CONDITIONS

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared plates at 2-8°C away from light.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for in vitro diagnostic use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

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- G.H. Chapman (1944) The isolation of streptococci from mixed cultures. J. Bacteriol. 48:113
- G.H. Chapman (1946) The isolation and testing of fecal streptococci. Am. J. Dig. Dis. 13:105.
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- R.R. Facklam, J.A. Washington II. (1991) Streptococcus and related catalase-negative gram-positive cocci. p. 238-257. In A. Balows, W.J. Hausler, Jr., K.L. Herrmann, H.D. Isenberg, H.J. Shadomy (ed.), Manual of clinical microbiology, 5th ed. American Society for Microbiology. Washington, D.C.
- R.R. Facklam, D.F. Sahm, Enterococcus, p. 308-314. In P.R. Murray, E.J. Baron, M.A. Pfaller, F.C. Tenover, R.H. Yolken (ed.) (1995) Manual of clinical microbiology, 6th ed. American Society for Microbiology, Washington, D.C.

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CE IVD

PRODUCT SPECIFICATIONS

NAME
Mitis Salivarius Agar

PRESENTATION
Dehydrated medium

STORAGE
10-30°C

PACKAGING

Ref.	Content	Packaging
611020	500 g	500 g of powder in plastic bottle
621020	100 g	100 g of powder in plastic bottle
6110205	5 kg	5 kg of powder in plastic bottle

pH OF THE MEDIUM
7.0 ± 0.2

USE
Mitis Salivarius Agar is a medium used with supplements for the selective isolation of viridans streptococci and enterococci from specimens containing mixed microbial flora

TECHNIQUE
Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM
Powder medium
Appearance: free-flowing, homogeneous
Colour: light blue-beige
Ready-to-use medium
Appearance: clear to very slightly opalescent
Colour: deep blue

SHELFLIFE
4 years

QUALITY CONTROL
1. Control of general characteristics, label and print
2. Microbiological control
   Inoculum for productivity: 50-100 CFU
   Inoculum for selectivity: 10^4-10^6 CFU
   Incubation Conditions: 18-48 h at 35 ± 2°C, in atmosphere with 5% CO_2

Microorganism		Growth	Colony Colour
Streptococcus mitis	ATCC® 19615	Good	Blue
Streptococcus salivarius	ATCC® 13419	Good	Blue
Streptococcus pyogenes	ATCC® 19615	Good	Blue
Enterococcus faecalis	ATCC® 29212	Good	Blue-black
Escherichia coli	ATCC® 25922	Inhibited	—
Staphylococcus aureus	ATCC® 25923	Inhibited	—

TABLE OF SYMBOLS

LOT	Batch code	IVD	*In vitro* Diagnostic Medical Device		Manufacturer		Use by		Fragile, handle with care
REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests		Caution, consult instructions for use		Do not reuse

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CE IVD

Instructions For Use

Chromatic™ VRE

ENGLISH

Chromogenic medium for the detection of
Vancomycin Resistant Enterococci (VRE) directly from clinical specimens.

DESCRIPTION

Chromatic™ VRE is a chromogenic medium used for the detection of vancomycin resistant *Enterococcus faecium* and *Enterococcus faecalis* directly from clinical specimens in 24 hours.

Vancomycin Resistant Enterococci (VRE) were first isolated in Europe in the late 1980s and recently have been associated with nosocomial infections around the world.
Six types of vancomycin resistance have been characterized on both a phenotypic and genotypic basis in enterococci. Five of this types (VanA, B, C, D, E and G) correspond to acquired resistance, presumably by transfer from other bacteria in the intestinal tract; one type (VanC) is an intrinsic property of non-pathogenic enterococcal species, *E. gallinarum* and *E. casseliflavus*. The *vanA* and *vanB* operons are located on plasmids or in the chromosome, whereas the *vanC*, *vanD*, *vanE* and *vanG* operons have, thus far, been found only in the chromosome. VanA and VanB types of glycopeptide resistance have been associated with outbreaks of vancomycin resistant enterococci, mostly *E. faecium* and *E. faecalis*, and can be transferred to other organisms, including *S. aureus*. VanA-type strains display high levels of inducible resistance to both vancomycin and teicoplanin, whereas VanB-type has variable levels of inducible resistance to vancomycin only.
The major concern of the emergence and dissemination of high-level resistance to vancomycin in enterococci is related to the risk for the spread of glycopeptide resistance to more pathogenic bacteria which in turn can lead to clinical isolates resistant to all antibiotics.

Chromatic™ VRE medium can be used to promptly detect VRE, differentiating between *E. faecalis* and *E. faecium*, reducing time and labour, increasing specificity and sensitivity and eliminating pre-enrichment and isolation of pure colonies.

TYPICAL FORMULA

	(g/l)
Peptone Mix	40.0
Sodium Chloride	5.0
Chromogenic and Selective Mix	6.5
Agar	15.0

Final pH 6.9 ± 0.2 at 25°C

METHOD PRINCIPLE

Peptone mix supply amino acids, nitrogen, carbon, minerals, vitamins and other nutrients which support the growth of microorganisms. Sodium chloride maintains the osmotic balance of the medium.The chromogenic and selective mix allows the identification of bacteria on the basis of the colony color and morphology, while inhibiting most of yeasts and bacteria with the exception of VRE. Agar is the solidifying agent

TEST PROCEDURE

Faecal screening swabs, faecal samples, isolated colony or microbial suspensions can be inoculated by direct streaking on the plate. Incubate aerobically at 37°C for 18-24 hours. Negative plates may be re-incubated for an additional 24 h.

INTERPRETING RESULTS

After incubation observe the color of the colonies and interpret the results as indicated in the ID table.

Identifications can be confirmed using Liofilchem® Strep-Check Kit (ref. 96016), taking a well-isolated colony directly from the Chromatic™ VRE plate.

ID Table.

Microorganism	Typical colony color
Vancomycin resistant *E. faecalis*	Purple-mauve
Vancomycin resistant *E. faecium*	Blue-green

See pictures in Appendix 1.

APPEARANCE

Slightly opalescent, amber.

STORAGE

2-8°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

4 months.

© Liofilchem® - Chromatic™ VRE - Rev.0 / 10.04.2014

Instructions For Use

QUALITY CONTROL

Plates are inoculated with the microbial strains indicated in the QC table.
Inoculum for productivity: 10-100 CFU/ml.
Inoculum for selectivity: 10^4-10^5 CFU/ml.
Incubation conditions: aerobically at 35±2°C for 18-24 h.

QC Table.

Microorganism		Growth	Specification
Enterococcus faecalis (VRE)	ATCC® 51299	Good	Purple-mauve colonies
Enterococcus faecium (VRE)	DSM 13590	Good	Blue-green colonies
Enterococcus faecalis	ATCC® 29212	Inhibited	---
Enterococcus faecium	ATCC® 19434	Inhibited	---
Escherichia coli	ATCC® 25922	Inhibited	---

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use.
The product is intended for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. Uttley AH, Collins CH, Naidoo J, George RC (1988) Vancomycin-resistant enterococci. Lancet 1 (8575-6):57-8.
2. Leclercq R, Derlot E, Duval J, Courvalin P (1988) Plasmid-mediated resistance to vancomycin and teicoplanin in *Enterococcus faecium*. N. Engl. J. Med. 319(3): 157-61.
3. Chavers LS, Moser SA, Benjamin WH, Banks SE, Steinhauer JR, Smith AM, Johnson CN, Funkhouser E, Chavers LP, Stamm AM, Walters KB (2003) Vancomycin-resistant enterococci: 15 years and counting. J. Hosp. Infect. 53(3): 159-71.
4. Courvalin P (2006) Vancomycin Resistance in Gram-positive Cocci. Clin. Infect. Dis. 42:S25-34.

PRESENTATION		Contents	Ref.
Chromatic™ VRE	90 mm ready-to-use plates	20 plates	11621

TABLE OF SYMBOLS

LOT Batch code	IVD *In vitro* Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care	Keep away from sunlight
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse	

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CE IVD

PSEUDOMONAS AGAR P

Dehydrated medium for the isolation of *Pseudomonas spp.* 107 17

TYPICAL FORMULA (g/L)

Pancreatic Digest of Casein	20,0
Magnesium Chloride	1,4
Potassium Sulphate	10,0
Agar	15,0
Final pH 7,0± 0,2	

DESCRIPTION

PSEUDOMONAS AGAR P is a dehydrated medium for the isolation of *Pseudomonas spp.* whose formulation conforms with specifications of The United States Pharmacopoeia (USP).

PRINCIPLE

Pancreatic Digest of Casein provides nitrogen and other nutrient to support microbial growth. Magnesium, potassium and sulphate ions promote pyocyanin production.

PREPARATION

Suspend 46.0 g of powder in 990 mL of distilled or deionized water. Add 10 mL of Glycerol Supplement (ref. 80021). Heat until completely dissolved. Dispense in final containers. Sterilize in autoclave at 121 °C for 15 minutes.

TECHNIQUE

Inoculate a well-isolated colony streaking on the agar surface, using a sterile loop. Incubate at 36 ± 1°C for 18-24 hours.

INTERPRETATION OF RESULTS

Examine Pseudomonas Agar P for pyocyanin, a blue to blue-green pigment seen in the colonies and surrounding medium. Confirm the presence of pyocyanin by adding several drops of chloroform and observe for a blue color in the chloroform. (Pyocyanin is more soluble in chloroform than in water).

STORAGE

10-30°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.
Store the prepared medium at 2-8 °C.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. Kiska and Gilligan. 1999. In Murray, Baron, Pfaller, Tenover and Yolken (ed.), Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
2. Forbes, Sahm and Weissfeld. 1998. Bailey & Scott's diagnostic microbiology, 10th ed. Mosby, Inc., St. Louis, Mo.
3. King, Ward and Raney. 1954. J. Lab. Clin. Microbiol. 44:301.
4. United States Pharmacopeial Convention, Inc. 2001. The U.S. pharmacopeia 25/The national formulary 20 – 2002. United States Pharmacopeial Convention, Inc., Rockville, Md.

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PRODUCT SPECIFICATIONS

NAME

PSEUDOMONAS AGAR P

PRESENTATION

Dehydrated medium

STORAGE

10-30 °C

PACKAGE

Code	Content	Packaging
610310	500 g	500 g of powder in plastic bottle

pH OF THE MEDIUM

7.0 ± 0.2

USE

PSEUDOMONAS AGAR P is a dehydrated medium for the isolation of *Pseudomonas spp.* whose formulation conforms with specifications of The United States Pharmacopoeia (USP).

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Dehydrated medium
Appearance: free-flowing, homogeneous.
Colour: light beige
Prepared medium
Appearance: slightly opalescent
Colour: light to medium amber

SHELFLIFE

4 years

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control

7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis

3. Microbiological control

Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10^4-10^5 UFC/ml
Inoculum for specificity: ≤ 10^4 UFC/ml
Incubation conditions:18-24 h at 36 ± 1°C

Microorganisms		Growth	Colonies Color
Pseudomonas aeruginosa	ATCC 9027	Good	Blue
Pseudomonas aeruginosa	ATCC 27853	Good	Blue
Pseudomonas cepacia	ATCC 25609	Good	Colorless

TABLE OF SYMBOLS

IVD *In vitro* Diagnostic Medical Device	LOT Batch code	Manufacturer	Contains sufficient for <n> tests
REF Catalogue number	Temperature limitation	Use by	Caution, consult accompanying documents

CE IVD

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ACETAMIDE BROTH

Dehydrated medium for the confirmation test of *Pseudomonas aeruginosa* in bottled water

TYPICAL FORMULA (g/L)

Acetamide	10.0
Sodium chloride	5.00
Dipotassium phosphate	1.39
Monopotasssium phosphate	0.73
Magnesium sulphate	0.5
Phenol red	0.012

Final pH 7.0 ± 0.2

DESCRIPTION

ACETAMIDE BROTH is a dehydrated medium used for the confirmation of *Pseudomonas aeruginosa* in bottled water.

PRINCIPLE

ACETAMIDE BROTH contains acetamide which, as a sole source of carbon in the medium, is used for the confirmation and identification of *Pseudomonas aeuruginosa*. It uses the ability of non-fermenting Gram-negative bacteria to deaminate the acetamide, the resulting alkalinization shown by a color change from orange-red to purple-red.
Acetamide deamination is accomplished by *P.aeruginosa* , *P.acidovorans*, Group III (*Achromobacter xylosoxidans*), and *Alcaligenes odorans*.
Acetamide is the single carbon source; the potassium salts have a high buffering capacity; sodium chloride maintains the osmotic balance and phenol red is the pH indicator.

PREPARATION

Suspend 17,2 g of powder in 1 litre of distilled or deionized water. If needed, heat gently to dissolve completely. Sterilize by filtration. Aseptically dispense into sterile test tubes.

TECHNIQUE

Inoculate with one or two loopfuls of growth from a presumptive fresh medium (ASPARAGINE ENRICHMENT BROTH code 610138) . Incubate at 36 +/- 1°C for 2-4 days.

INTERPRETATION OF RESULTS

A positive reaction is indicated by a color change of the tube from orange-red to an intense purple-red. The presence of *P.aeruginosa* is confirmed by a positive asparagine test and a positive acetamide test.

STORAGE

The powder is very hygroscopic: store the powder at 10-30°C. in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.
Store prepared media at 2-8°C.

WARNING and PRECAUTIONS

The product is classified as hazardous by current legislation. It is recommended that the Safety Data Sheet be consulted before use. The product must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

- Kelly, N.M., C.T. Keans (1983). Acetamide broth for isolation of *Pseudomonas aeruginosa* from patients with cystic fibrosis. J.Clin.Microbiol. **17**:159:163.
- CeNAN (1982) Técnicas para el Examen microbiológico de Alimentos y Bebidas. Madrid

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PRODUCT SPECIFICATIONS

NAME
ACETAMIDE BROTH

PRESENTATION
Dehydrated culture medium

STORAGE
10-30°C

PACKAGING

Code	Content	Packaging
610313	500 gr	500 gr of powder in plastic bottle
620313	100 gr	100 gr of powder in plastic bottle

pH OF THE MEDIUM
7.0 ± 0.2

USE
ACETAMIDE BROTH is a dehydrated medium used for the confirmation of *Pseudomonas aeruginosa* in bottled water.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE of the MEDIUM
Dehydrated medium
Appearance: homogeneous.
Colour: beige
Prepared medium
Appearance: clear
Colour: orange-red

SHELFLIFE
4 years

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control
   7 days at 25 ± 1°C, in aerobiosis
   7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control
   Inoculum for productivity: 10-100 UFC/ml
   Inoculum for selectivity: 10^4-10^5 UFC/ml
   Inoculum for specificity: ≤ 10^4 UFC/ml
   Incubation conditions: up to 4 days at 36 +/- 1°C ,in aerobiosis

Microorganisms		Growth	Acetamide deamination
Escherichia coli	ATCC 25922	-	
Proteus mirabilis	ATCC 29906	-	
Pseudomonas aeruginosa	ATCC 9027	+	+
Pseudomonas aeruginosa	ATCC 27853	+	+

TABLE of SYMBOLS

Symbol	Meanings
REF	Catalogue number
	Manufacturer
	Temperature limitation
	Kit content
	Use by
LOT	Batch code
	Do not reuse
	Consult accompanying documents

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Buffered Peptone Water

Instructions For Use
ENGLISH

Diluent and non-selective pre-enrichment liquid medium for microbiological examination of food, according to ISO 6887,11290, 21528 and 6579.

DESCRIPTION

Buffered Peptone Water (BPW) is a liquid medium recommended by ISO 6579 for increasing the recovery of injured *Salmonella* spp. from food and associated samples prior to selective enrichment and isolation.

According to ISO 21528, BPWis used for detection or enumeration of Enterobacteriaceae within foodstuffs.

Used as diluent, BPW complies with ISO 6887 and 11290 for the enumeration of organisms.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	10.0
Sodium Chloride	5.0
Disodium Hydrogen Phosphate	3.5*
Potassium Dihydrogen Phosphate	1.5

Final pH 7.0 ± 0.2 at 25°C

*Equivalent to 9.0 g of disodium hydrogen phosphate dodecahydrate.

METHOD PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon and minerals. Sodium chloride maintains the osmotic balance of the medium. Phosphates are the buffering agents.

PREPARATION

Dehydrated medium: Suspend 20.0 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shacking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 min.

TEST PROCEDURE

Suspend the sample in BPW to make dilutions as required.

For pre-enrichment, add sample to BPW at a ratio of 1:10 or 1:9 depending on the method being used. Incubate at 37 ± 1°C for 16-20 hours before transfer to selective enrichment media.

INTERPRETING RESULTS

Turbidity indicates microbial growth.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.
Prepared medium: clear, light amber.

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles and tubes at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration.

SHELF LIFE

Dehydrated medium: 4 years.
Prepared medium: 2 years.

QUALITY CONTROL

The medium is inoculated with the microbial strains indicated in the QC tables.
Inoculum for use as diluent: 10^3-10^4 CFU.
Incubation conditions: 45 min - 1 h / 18-27°C.

QC Table 1.

Microorganism		Specification
Escherichia coli	WDCM 00012	± 30% colonies of original count
Staphylococcus aureus	WDCM 00034	± 30% colonies of original count
Listeria monocytogenes 4b	WDCM 00021	± 30% colonies of original count

Inoculum for productivity: ≤ 100 CFU.
Incubation conditions: 18 ± 2 h / 37 ± 1°C.

QC Table 2.

Microorganism		Specification
Salmonella typhimurium	WDCM 00031	Good growth/turbidity of the medium
Salmonella enteritidis	WDCM 00030	Good growth/turbidity of the medium
Escherichia coli	WDCM 00012	Good growth/turbidity of the medium

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WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use and must be used only by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. EN ISO 11133:2014+Amd1:2018. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
2. ISO 11290-2:2017. Microbiology of the food chain – Horizontal method for the detection and enumeration of *Listeria monocytogenes* and *Listeria* spp. – Part 2: Enumeration method.
3. ISO 21528-1:2017. Microbiology of the food chain – Horizontal method for the detection and enumeration of *Enterobacteriaceae* – Part 1: Detection of *Enterobacteriaceae*.
4. ISO 21528-2:2017. Microbiology of the food chain – Horizontal method for the detection and enumeration of *Enterobacteriaceae* – Part 2: Colony-count technique.
5. ISO 6579-1:2017. Microbiology of the food chain – Horizontal method for the detection, enumeration and serotyping of *Salmonella* spp. – Part 1: Detection of *Salmonella* spp.
6. Rose (2001) Isolation and identification of Salmonella from meat, poultry and egg products. In Microbiology laboratory guidebook, 3rd ed., Food Safety and Inspection Service, U.S. Department of Agriculture, Washington, D.C.
7. ISO 6887-1:2017. Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination. Part 1: General rules for the preparation of the initial suspension and decimal dilutions.
8. Sadovski (1977) J. Food Technol. 12:85.
9. Edel and Kampelmacher (1973) Bull. W.H.O. 48:167.

PRESENTATION	Category	Packaging	Ref.
Buffered Peptone Water	Media in tubes	20 x 9 ml	24199
Buffered Peptone Water	Media in tubes	100 x 9 ml	26199
Buffered Peptone Water	Media in tubes	20 x 10 ml	24099
Buffered Peptone Water (Double Concentration	Media in tubes	20 x 9 ml	24463
Buffered Peptone Water	Media in bottles	6 x 90 ml	414030
Buffered Peptone Water	Media in bottles	25 x 90 ml	454030
Buffered Peptone Water	Media in bottles	6 x 200 ml	412090
Buffered Peptone Water	Media in bottles	6 x 225 ml	414020
Buffered Peptone Water	Media in bottles	25 x 225 ml	451402
Buffered Peptone Water - Bags	Media in bags	3 x 3 l	499030
Buffered Peptone Water - Bags	Media in bags	3 x 5 l	499035
Buffered Peptone Water	Dehydrated media	100 g	621014
Buffered Peptone Water	Dehydrated media	500 g	611014
Buffered Peptone Water	Dehydrated media	5 kg	6110145

TABLE OF SYMBOLS

LOT Batch code	Keep away from sunlight	Manufacturer	Use by	Fragile, handle with care
REF Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Caution, consult Instruction For Use	Do not reuse

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ENGLISH

Tween 20 Supplement

poz 21

Supplement for the enrichment of culture media

DESCRIPTION

Tween 20 Supplement is a nonionic surfactant derived from sorbitan ester, used for the preparation of TAT Broth Base (ref. 610093, 620093), Chromatic Salmonella (ref. 610611, 620611) and other culture media for which the addition of polysorbate 20 is recommended.

KIT CONTENTS

Each kit contains:

- Bottles of Tween 20 Supplement
- 1 instructions sheet

PRINCIPLE OF THE METHOD

Polysorbate 20 neutralizes preservatives in cosmetics or pharmaceutical products, allowing bacteria to grow. It has also shown a growth-promoting effect on certain microorganisms.

COMPOSITION

	Content / bottle
Polysorbate 20	50 ml

PROCEDURE FOR USE

1. Add Tween 20 Supplement to the basal medium to obtain the correct final concentration.
2. Mix with care.
3. Sterilize in autoclave according to relevant instructions.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical sheet of the medium being prepared.

QUALITY CONTROL

1. Visual inspection: dense, oily, yellowish liquid.
2. Microbiological control.
   Prepare TAT Broth Base per label directions. Inoculate with the microbial strains indicated below and incubate at 35 ± 2°C for 18-48 h.

Control strains		Growth
Bacillus subtilis	ATCC® 6633	Good
Pseudomonas aeruginosa	ATCC® 27853	Good
Staphylococcus aureus	ATCC® 25923	Good

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

STORAGE AND TRANSPORT CONDITIONS

2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the storage or transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, do not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

REFERENCES

- The United States Pharmacopeial Convention (1995) The United States pharmacopeia, 23rd ed. Microbial limits tests, p. 1681-1686. The United States Pharmacopeial Convention Inc., Rockville, MD.
- Orth, D. S. (1993) Handbook of cosmetic microbiology. Marcel Dekker, Inc., New York, N.Y.
- Food and Drug Administration (1969) Procedure for the examination of topical drugs and cosmetics. FDA, Rockville, MD.

PRESENTATION

Product	Ref.	Content
Tween 20 Supplement	80032	2 x 50 ml bottles
Tween 20 Supplement	80432	4 x 50 ml bottles

TABLE OF SYMBOLS

LOT Batch code	Do not reuse	Manufacturer	Contains sufficient for <n> tests
REF Catalogue number	Fragile, handle with care	Use by	Caution, consult accompanying documents

Temperature limitation

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Rev.2 / 18.01.2016

DNase TEST AGAR

DOT 22

Medium for research of deoxyribonuclease activity (DNase) in microorganisms.

TYPICAL FORMULA (g/l)

Tryptose	20.0
Deoxyribonuceic Acid	2.0
Sodium Chloride	5.0
Agar	15.0

Final pH = 7.3 ± 0.2 at 25 °C.

DIRECTIONS

Suspend 42.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling until complete dissolution. Sterilize in autoclave at 121 °C for 15 minutes. Dispense in petri dishes.

DESCRIPTION

DNase TEST AGAR is a medium for differentiating microorganisms based on deoxyribonuclease activity.

TECHNIQUE

Inoculate the plates by spotting the organism on to the surface of the agar so that a thick plaque of growth is evident after incubation. Incubate at 36 ± 1 °C for 18-48 hours. Flood the plates with 1 N hydrochloric acid. A zone of clearing around the spot or streak of inoculum indicates DNase activity.

QUALITY CONTROL

Dehydrated medium
Appearance: free-flowing, homogeneous.
Color: pink.
Prepared medium
Appearance: very slightly to slightly opalescent.
Color: bright pink.
Incubation conditions: 36 ± 1 °C for 18-48 hours.

Microorganism	ATCC	Growth	DNase Test
Staphylococcus aureus	25923	good	+
Staphylococcus epidermidis	12228	good	-
Streptococcus pyogenes	19615	good	+

PERFORMANCE AND LIMITATIONS

The composition of the culture medium, the degree of aeration, pH, temperature and incubation period are important factors that influence DNase activity in the culturing and testing the micrococci.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.
Store prepared plates at 2-8 °C.

REFERENCES

1. Weckman, B.G., and B.W. Catlin (1957). J. Bacteriol. **73**; 747-753.
2. Disalvo, J.W. (1958). Med. Tech. Bull. U. S. Armed Forces Med. J. **9**: 191.

PRESENTATION

Product	REF	Σ
DNase TEST AGAR (11.9 l)	610205	500 g
DNase TEST AGAR (2.3 l)	620205	100 g

TABLE OF SYMBOLS

LOT	Batch code		Caution, consult accompanying documents		Manufacturer	Σ	Contains sufficient for <n> tests
REF	Catalogue number		Fragile, handle with care		Use by		Temperature limitation

IVD	*In Vitro* Diagnostic Medical Device
	Keep away from heat source

LIOFILCHEM s.r.l.
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CE IVD

ENGLISH

Kovac's Reagent

Reagent for indole test of Enterobacteriaceae.

DESCRIPTION
Kovac's Reagent is used in determining the ability of bacteria, primarily Enterobacteriaceae, to produce indole by the deamination of tryptophan.

KIT CONTENTS
- 4 x 25 ml bottles of Kovac's Reagent.
- 1 instruction sheet.

METHOD PRINCIPLE
Indole is one of the degradation products of the bacterial metabolism of the amino acid tryptophan. The bacteria that own the enzyme tryptophanase are able to hydrolyze and deaminate the tryptophan with the production of indole, pyruvic acid and ammonia. Indole test is based on the formation of a red to purple colored complex, due to the indole reaction with aldehydic group of p-dimethylaminobenzaldehyde. The chief requirement for culturing an organism prior to performing the indole test is that the medium contains a sufficient quantity of tryptophan.

REAGENTS
5% (w/v) *p*-dimethylaminobenzaldehyde dissolved in a solution of 25% hydrochloridric acid and 75% isobutyl alcohol.

TEST PROCEDURE
Inoculate a tube of Peptone Water (ref. 24098) with the organism to be tested and incubate at 35 ± 2°C for 24-48 hours.
Add 2-3 drops of Kovac's Reagent directly to the tube.

INTERPRETATION OF RESULTS
The formation of a red to purple color ("cherry-red ring") in the reagent layer on top of the medium within 30 sec indicates a positive reaction for indole production. A negative reaction shows no color change.

QUALITY CONTROL FOR THE USER
Positive and negative controls should be run simultaneously with the organism to be tested.

Control strains		Color	Indole test
Escherichia coli	ATCC® 25922	Red to purple	Positive
Proteus mirabilis	ATCC® 25933	No color change	Negative

PRECAUTIONS
Kovac's Reagent is classifiable as hazardous under current legislation; it is recommended that the Safety Data Sheet be consulted on its use. The product is intended for *in vitro* diagnostic use only and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE AND TRANSPORT CONDITIONS
2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the storage or transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, do not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

ELIMINATING USED MATERIAL
After use, used Kovac's Reagent and the material that has come into contact with the sample must be decontaminated and disposed of in accordance with the laboratory procedures for the decontamination and disposal of potentially infected material.

BIBLIOGRAPHY

1. Murray, Baron, Pfaller, Tenorev and Yolken: Manual of Clinical Microbiology (1995).
2. Bayley and Scott's: Diagnostic Microbiology (1986).
3. Edwin H.Lenette: Manual of Clinical Microbiology (1995).

PRESENTATION

Product	Ref.	Content
Kovac's Reagent	80271	100-200 tests

TABLE OF SYMBOLS

LOT	Batch code	IVD	*In vitro* Diagnostic Medical Device		Manufacturer		Use by		Fragile, handle with care
REF	Catalogue number		Temperature limitation	Σ	Contains Sufficient for <n> tests		Caution, consult accompanying documents		Do not reuse

LIOFILCHEM® S.r.l.
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CE IVD

F00025
Rev.2 / 19.09.2014

ENGLISH

STREPTO A LATEX KIT

Rapid agglutination test for direct identification of Group A Streptococcus.

DESCRIPTION

STREPTO A LATEX KIT is a rapid latex agglutination test on card for direct identification of Group A Streptococcus, both from culture media in plate, and from enrichment broths.

PACKAGE CONTENT

- **1 LATEX REAGENT (2.5 mL)**: dropper bottle containing latex particles coated with antibodies raised against Group A Streptococcus.
- **1 EXTRACTION ENZYME (10 mL)**: bottle containing freeze dried extraction enzyme to reconstitute by adding 10 mL of distilled water.
- **1 POSITIVE CONTROL (1 mL)**: dropper bottle containing positive control composed of polyvalent inactivated antigenes of Group A Streptococcus.
- 10 x 6 wells disposable cards.
- 2 x 25 disposable mixing sticks.

NECESSARY ITEMS NOT CONTAINED IN THE PACKAGE

- Disposable pipettes.
- Disposable loops.
- Physiological solution.

METHOD PRINCIPLE

Latex particles in **STREPTO A LATEX KIT** are individually coated with antisera against a wide range of Group A Streptococcus antigens. Mixed with a suspension of these streptococci, latex particles aggregate to give visible agglutination.

TEST PROCEDURE

- Allow the reagents and positive control to reach room temperature.
- Reconstitute the bottle **EXTRACTION ENZYME** with 10 mL of distilled water and gently mix to ensure complete reconstitution.
- Dispense 0.2 mL of **EXTRACTION ENZYME** into a test tube.
- Add streptococci colonies picked from an agar surface and emulsify gently.
- Incubate the tube for 10-15 minutes at 37°C.
- Shake the tube after the first 5 minutes of incubation and shake vigorously prior to testing to obtain even suspension of antigen.
- Dispense one drop of **LATEX REAGENT** separately into one of three circles on a reaction card.
- Transfer one drop of well mixed extract (or of **POSITIVE CONTROL**) next to the drop of **LATEX REAGENT**.
- Mix the content using mixing stick and spread the liquid to cover the area of the circle.
- Slowly and gently, rock and rotate the reaction card to mix the reagents for a maximum of one minute.
- Watch the card for agglutination. If present, agglutination should be clearly visible with the naked eye.

INTERPRETATION OF RESULTS

Agglutination within 2 minutes is a positive result and indicates the presence of Group A Streptococcus in the sample. Absence of agglutination indicates that Group A Streptococcus is not present in the test culture. Reactions that are "curdy" or "stringy" may not be true agglutination.

LIMITATION OF USE

1. Results should be interpreted in the context of all available clinical and laboratory information.
2. Identification with **STREPTO A LATEX KIT** is presumptive and all positive results should be confirmed by further identification tests and serotyping of pure cultures.

PRECAUTION

STREPTO A LATEX KIT is designed for *in vitro* diagnostic use and must be used only by properly trained operators, using approved aseptic and safety methods for handling pathogenic agents.

STORAGE

Store **STREPTO A LATEX KIT** at 2-8 °C in the original packaging. Keep away from sources of heat and avoid excessive changes in temperature. In such conditions **STREPTO A LATEX KIT** will remain valid until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.

DISPOSAL OF USED MATERIAL

After use **STREPTO A LATEX KIT** and material that has come into contact with the sample must be decontaminated and disposed of in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infected material.

PRESENTATION

Product	REF	Σ
STREPTO A LATEX KIT	96154	50 tests

TABLE OF SYMBOLS

IVD	*In vitro* diagnostic medical device	LOT	Batch code
REF	Catalogue number		Fragile, handle with care
	Manufacturer	Σ	Content sufficient for <n> tests
	Use by		Warning, see instructions for use
	Temperature limits		Do not reuse

CE IVD

Liofilchem s.r.l.
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Rev. 0/17.02.2010

EC-Declaration of Conformity

According to Directive 98/79/EC on in-vitro-diagnostic devices, Annex III

Manufacturer: nal von minden GmbH, Carl-Zeiss Str.12, 47445 Moers
Classification: Other Products

We herewith declare on our sole responsibility that all batches of below mentioned In-vitro-diagnostic devices are conform with the Essential Requirements Annex I of the directive 98/79/EC of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices. The products are suitable for the intended application (only professional users).

Relevant standards and guidelines are applied.

141000	NADAL® EARLY hCG Pregnancy dipstick
141000_SSL	NADAL® EARLY hCG Pregnancy dipstick
141002	NADAL® hCG Pregnancy Test 25 mIU/ml dipstick
142000	NADAL® EARLY hCG 10 mIU/ml cassette
142002	NADAL® hCG Pregnancy Cassette Test 25 mIU/ml
143003	NADAL® hCG Pregnancy Tests 10 mIU/ml dipstick
143004	NADAL® hCG t 25 mIU/ml dipstick
143004_SSL	NADAL® hCG t 25 mIU/ml dipstick
144001N-10	NADAL® hCG Pregnancy Test, Midstream 20 mIU/ml cassette
151002	NADAL® hCG Pregnancy
151002SE	NADAL® hCG Pregnancy rapid test
151003	NADAL® hCG Test 10mIU/ml Urin/Serum Dipstick
152000	NADAL® hCG Pregnancy 10 mIU/ml cassette
152002	NADAL® hCG Pregnancy 25 mIU/ml cassette
152003	NADAL® hCG Pregnancy Test 20 mIU/ml cassette S/P/W

153002	NADAL® hCG Pregnancy TEST 10 mIU/ml – Urin/Serum
153003	NADAL® hCG 25 mIU/mln Dipstick
153003_SSL	NADAL® hCG 25 mIU/mln Dipstick
161001	NADAL® hLH Ovulation rapid test
161001_SSL	NADAL® hLH Ovulation rapid test
162001	NADAL® hLH Ovulation rapid test
162001_SSL	NADAL® hLH Ovulation rapid test
164001	NADAL® hLH Ovulation 30 mIU/ml Midstream
165001	NADAL® hLH Ovulation 30 mIU/ml dipstick
165001_SSL	NADAL® hLH Ovulation 30 mIU/ml dipstick
165002	NADAL® hLH Ovulation rapid tests (2,5mm)
165003	NADAL® hLH Ovulation rapid test
165003_SSL	NADAL® hLH Ovulation rapid test
166001	NADAL® hLH Ovulation 30 mIU/ml cassette
172001	NADAL® FSH cassette
172001_SSL	NADAL® FSH cassette
172003N-10	NADAL® FSH cassette
194002	NADAL® pH-Test

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201001	NADAL® Syphilis dipstick
201001_SSL	NADAL® Syphilis dipstick
202001	NADAL® Syphilis cassette
202001_SSL	NADAL® Syphilis cassette
203001	NADAL® Syphilis rapid tests
203002	NADAL® Syphilis rapid tests
203002_SSL	NADAL® Syphilis rapid tests
221001A	NADAL® Strep A dipstick
221005	NADAL® Strep A reagent 1
221006	NADAL® Strep A reagent 2
221050N-50	NADAL® Strep A plus rapid tests
222001A	NADAL® Strep A cassette
222007	NADAL® Strep A plus cassette
222008	NADAL® Strep A plus cassette
222011	NADAL® Strep A plus cassette
222049BUL	NADAL® Strep A Scan cassette
222049BUL-20	NADAL® Strep A Scan cassette
232001	NADAL® Strep B cassette
232001_SSL	NADAL® Strep B cassette
232005	NADAL® Strep B reagent 1
232006	NADAL® Strep B reagent 2
241005N-10	NADAL® Influenza A+B dipstick
241006N-25	NADAL® Influenza A+B dipstick
242001	NADAL® Influenza A+B cassette
242006N-10	NADAL® Influenza A/B cassette
252001	NADAL® Mononucleosis cassette
252002	NADAL® Mononucleosis dipstick
252003	NADAL® Mononucleosis cassette
252003N-20	NADAL® Mononucleosis cassette
252005	NADAL® Mononucleosis positive conrtol
252006	NADAL® Mononucleosis negative conrtol
252017N-05	NADAL® Mononucleosis cassette
262001	NADAL® H.Pylori Antikörper cassette
262001_SSL	NADAL® H.Pylori Antikörper cassette
262002	NADAL® H.Pylori Antigen cassette
262003	NADAL® H. pylori Ab cassette
262004BUL	NADAL® H. pylori Scan Ab cassette
262004BUL N-10	NADAL® H. pylori Scan Ab cassette
272001	NADAL® FOB cassette
272001_SSL	NADAL® FOB cassette
272008	NADAL® FOB cassette
272009	NADAL® Hb/Hp Complex cassette
272010	NADAL® FOB cassette
272011	NADAL® Hb/Hp cassette
272011N-25	NADAL® Hb/Hp cassette
272015	NADAL® Hb/Hp Complex cassette
272015_SSL	NADAL® Hb/Hp Complex cassette
272016	NADAL® FOB plus cassette
272031RU	NADAL® Hb/Hp Complex cassette
272031RU-01	NADAL® Hb/Hp Complex cassette
272031RU_SSL	NADAL® Hb/Hp Complex cassette
272035	NADAL® FOB60 plus cassette
272035_SSL	NADAL® FOB60 plus cassette
272037	NADAL® FOB & Hb/Hp patient set
272040	NADAL® FOB II Cassettes
272041	NADAL® FOB60 Cassette
272041_SSL	NADAL® FOB60 Cassette
272042	NADAL® FOB75 Cassette
272043	NADAL® FOB75 II Cassette
282000	NADAL® Troponin I cassette
282001	NADAL® Troponin I cassette
282001_SSL	NADAL® Troponin I cassette
282003	NADAL® Trop I, CK-MB, Myoglobin Combi- cassette
282015	NADAL® Troponin I cassette
292001	NADAL® Myoglobin cassette
292001N-05	NADAL® Myoglobin cassette

302001	NADAL® CK-MB cassette
302001_SSL	NADAL® CK-MB cassette
311003	NADAL® CrP Dipstick
311004	NADAL® CRP plus Dipstick
311006	NADAL® CRP plus Dipstick
312001	NADAL® CrP cassette
312002	NADAL® high sensitive CrP cassette
312017	NADAL® CRP Quant RFID chip
312021BUL	NADAL® CRP Quant cassette
312021NBUL-20	NADAL® CRP Quant cassette
322003N-30	NADAL® Tuberkulose IgG/IgM cassette
322003N-30_SSL	NADAL® Tuberkulose IgG/IgM cassette
331001	NADAL® Mikroalbumin Dipstick
331004N-50	NADAL® Mikroalbumin Dipstick
333001	NADAL® Mikroalbumin Dipstick
351006	NADAL® D-Dimer cassette
351006_SSL	NADAL® D-Dimer cassette
351007	NADAL® D-Dimer cassette
374018	qLabs aPTT-INR Control
431001N-03	NADAL® PROM Test Dipstick
431001N-03_SSL	NADAL® PROM Test Dipstick
431001N-10	NADAL® PROM Test Dipstick
431001N-10_SSL	NADAL® PROM Test Dipstick
431001N-20	NADAL® PROM Test Dipstick
431006N-03	NADAL® PROM Amniotic fluid Dipstick
431006N-10	NADAL® PROM Amniotic fluid Dipstick
431006N-20	NADAL® PROM Amniotic fluid Dipstick
472001N-25	NADAL® Malaria Pf Ag test cassette
472001N-25_SSL	NADAL® Malaria Pf Ag test cassette
472003N-25	NADAL® Malaria 4 species cassette
472003N-10	NADAL® Malaria 4 species cassette
472003_SSL	NADAL® Malaria 4 species cassette
472008	NADAL® Malaria 4 species cassette
472009	NADAL® Malaria Pf/Pv Ab cassette
472030N-25	NADAL® Malaria Pf/Pan Ag 4Species cassette
472030N-10	NADAL® Malaria Pf/Pan Ag 4Species cassette
472036N-25	NADAL® Malaria Pf/Pan Ag 4Species cassette
481002	NADAL® Adenovirus rapid tests
481003	NADAL® Adenovirus rapid tests
481004	NADAL® Rotavirus rapid tests
481005	NADAL® Rotavirus rapid tests
481006	NADAL® Adenovirus 40/41 strips
481007	NADAL® Adenovirus 40/41 strips
481008	NADAL® Adenovirus Respiratory rapid tests
481013	Adenovirus Positive Control
481015	NADAL® Rota-Adenovirus cassette
481015_SSL	NADAL® Rota-Adenovirus cassette
481015N-20	NADAL® Rota-Adenovirus cassette
481016	NADAL® Adenovirus cassette
481016_SSL	NADAL® Adenovirus cassette
481017	NADAL® Rotavirus cassette
481049BUL	NADAL® Rota-Adenovirus Scan cassette
481049BUL-10	NADAL® Rota-Adenovirus Scan cassette
491000N-10	NADAL® RSV plus Dipstick
491000N-10_SSL	NADAL® RSV plus Dipstick
491003N-25	NADAL® RSV Dipstick
491005	NADAL® RSV cassette
491008BUL	NADAL® RSV Scan cassette
491009	NADAL® RSV-Adeno Resp cassette
491015	NADAL® RSV Dipstick
495001	NADAL® MRSA Screen Latex-Agglutinationstest

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495001_SSL	NADAL® MRSA Screen Latex-Agglutinationstest
501006	NADAL® *E.coli* O157 Cassette
501006_SSL	NADAL® *E.coli* O157 Cassette
501012	NADAL® EHEC Verotoxin 1-2, feces - cassette á 10
501012_SSL	NADAL® EHEC Verotoxin 1-2, feces - cassette á 10
511002	NADAL® Cryptosporidium Dipstick
511006	NADAL® Cryptosporidium cassette
511006_SSL	NADAL® Cryptosporidium cassette
521001	NADAL® Giardia Dipstick
521004	NADAL® Crypto/Giardia Test strips
521006	NADAL® Giardia cassette
521009	NADAL® Giardia cassette
521010	NADAL® Giardia-Crypto-Combo cassette
521010_SSL	NADAL® Giardia-Crypto-Combo cassette
532001_SSL	NADAL® Dengue cassette
532001N-25	NADAL® Dengue cassette
532002N-25	NADAL® Dengue cassette
532003N-25	NADAL® Dengue cassette
532004N-25	NADAL® Dengue cassette
532004N-25_SSL	NADAL® Dengue cassette
532011	NADAL® Dengue IgG/IgM cassette
532011N-25	NADAL® Dengue IgG/IgM cassette
532012N-25	NADAL® Dengue NS1 Ag Cassette
532016N-25	NADAL® Dengue NS1 Ag+IgG/IgM Cassette
542001N-25	NADAL® Tetanus cassette
552005	NADAL® Legionella Urin Antigen cassette
552005_SSL	NADAL® Legionella Urin Antigen cassette
552006	NADAL® Legionella Urin Antigen cassette
552006_SSL	NADAL® Legionella Urin Antigen cassette
552020	NADAL® Legionella Urine Antigen test
562003N-10	NADAL® BCA/HB inkl.
562003RU	NADAL® BCA/HB inkl.
572004N-10	NADAL® Streptococcus pneumoniae cassette
572005	NADAL® Legionella/S. pneumonia cassette
580005N-25	NADAL® TSH cassette
582003	NADAL® C. difficile Toxin A/B cassette
582003_SSL	NADAL® C. difficile Toxin A/B cassette
582004	NADAL® Clostridium Difficile GDH
582008	NADAL® Clostridium Difficile Toxins A&B cassette
582009	NADAL® C. perfringens Ag cassette
582009_SSL	NADAL® C. perfringens Ag cassette
582016N-10	NADAL® Clostridium Difficile Toxin A+B/GDH Cassette
600002N-30	NADAL® Rheumatoid Factor test cassette
611003N-10	NADAL® Gonorrhea cassette
611003N-10_SSL	NADAL® Gonorrhea cassette
611005N-10	NADAL® Gonorrhea cassette
612004N-25	NADAL® CCA (Bilharzia) cassette
622001N-30	NADAL® HAV IgM test cassette
622040N-30	NADAL® HEV IgM cassette
622070N-30	NADAL® HAV IgG/IgM cassette
622070N-30_SSL	NADAL® HAV IgG/IgM cassette
652001N-30	NADAL® Chagas IgG cassette
652001N-30_SSL	NADAL® Chagas IgG cassette
662001N-30	NADAL® Leishmania cassette
672001N-30	NADAL® Filariasis cassette
672001N-30_SSL	NADAL® Filariasis cassette
682002N-20	NADAL® Chikungunya IgM Cassette

692001N-30	NADAL® Typhus Cassette
692001N-30_SSL	NADAL® Typhus Cassette
712001	NADAL® AFP Cassette
712001_SSL	NADAL® AFP Cassette
722003	NADAL® CEA Cassette
722003_SSL	NADAL® CEA Cassette
790001	NADAL® Celiac Disease tTG Cassette
790001_SSL	NADAL® Celiac Disease tTG Cassette
790002	NADAL® Celiac Disease tTG & Gliadine Cassette
795002	NADAL® ASO Latex
795003	NADAL® ASO Latex
795005	NADAL® CRP Latex
795006	NADAL® CRP Latex
795008	NADAL® RF Latex
795008_SSL	NADAL® RF Latex
795009	NADAL® RF Latex
795010	NADAL® RPR Carbon Latex
795011	NADAL® RPR Latex
795015	NADAL® VDRL
795016	NADAL® VDRL
795017	NADAL® Waaler Rose Latex
795018	NADAL® Waaler Rose Latex
795024	NADAL® IM Latex
795027	NADAL® TPHA
795028	NADAL® TPHA
795030	NADAL® Rose Bengale
850003	NADAL®Astrovirus Test Cassette
850003N-10	NADAL®Astrovirus Test Cassette
860001	NADAL® Bence Jones Proteinurie Dipstick
870001	NADAL® Lyme Borreliose Cassette
920001	NADAL® Norovirus Cassette
920001_SSL	NADAL® Norovirus Cassette
920002	NADAL® Norovirus I+ II Cassette
920002_SSL	NADAL® Norovirus I+ II Cassette
1010002N-20	NADAL® Cholera O1/O139 cassette
1120003N-20	NADAL®Candida Albicans (Cassette á 20)
1130002N-30	NADAL® HSV-1 IgG/IgM - Herpes-Simplex-Virus
1130003N-30	NADAL®HSV-2 IgG/IgM - Herpes-Simplex-Virus
1200001	NADAL® Lactoferrin – Test – Feces (Cassette á 10)
1201004N-10	NADAL® Ferritin cassette
1212001	NADAL® Calprotectin – Test – Feces (TK á 10)
1212001_SSL	NADAL® Calprotectin – Test – Feces (TK á 10)
1212002	NADAL® Calprotectin +Lactoferrin Test Feces (TK á 10)
1222001	NADAL® Enterovirus – Test – Feces (TK á 10)
1222001_SSL	NADAL® Enterovirus – Test – Feces (TK á 10)
1232001	NADAL® Campylobacter – Test – Feces (TK á 10)
1242001	NADAL® Salmonella spp. – Test – Feces (TK á 10)
1242002	NADAL® Salmonella Typhi-Test – Feces (TK á 10)
1252001	NADAL® Listeria-Test – Feces (TK á 10)
1262001	NADAL® Shigella-Test - Feces (TK à 10)
1262002	NADAL® Shigella Dysenteriae-Test – Feces (TK à 10)
1320002	NADAL® HB Hämoglobin Dipstick (á 50)

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1320003	NADAL® HB Kontroll Dipstick (á 2)
1320004	NADAL® HB Kapillarröhrchen 10 µl (á 50)
2090001	NADAL® Entamoeba cassette
2090001_SSL	NADAL® Entamoeba cassette
2200001	NADAL® IgG cassette
2201001N-10	NADAL® IgE cassette
2210001	NADAL® IgE cassette
2210001_SSL	NADAL® IgE cassette

This document is valid until 23.03.2019.

Moers, 24.03.2017
nal von minden GmbH

nal von minden GmbH
Carl-Zeiss-Straße 12
47445 Moers

Sandra von Minden
CEO
nal von minden GmbH

nal von minden

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NADAL® Legionella Test (test cassette)

REF 552020

IVD CE

Version 1.1, 2015-12-10

1. Intended Use

The NADAL® Legionella Test is an *in-vitro* rapid chromatographic lateral flow immunoassay for the qualitative detection of *Legionella pneumophila* (*L. pneumophila*) serogroup 1 antigen in urine specimens from patients with symptoms of pneumonia. The NADAL® Legionella Test is intended to be used in conjunction with culture and other methods as an aid in the presumptive diagnosis of *Legionella* infection (Legionnaires' disease) caused by *L. pneumophila* serogroup 1.

2. Introduction and Clinical Significance

Legionnaires' disease is a serious form of pneumonia accompanied by a mortality rate in the range of 10-15% in otherwise healthy individuals. The symptoms are similar to those of a flu-like illness followed by a dry cough, and frequently progress to the symptoms of pneumonia. Approximately 30% of people infected may also develop diarrhoea and vomiting and around 50% may show signs of mental confusion. The incubation period normally ranges from 2-10 days, with symptoms typically being displayed from 3-6 days after exposure. Legionnaires' disease may occur as an outbreak of two or more cases following a limited temporal and spatial exposure to a single source. It may also appear as a series of independent cases in an area in which it is highly endemic. Moreover, Legionnaires' disease may occur as sporadic cases without any obvious temporal or geographical grouping. Outbreaks have occurred repeatedly in establishments such as hotels and hospitals.

The NADAL® Legionella Test allows an early diagnosis of *L. pneumophila* serogroup 1 infection through detection of a specific soluble antigen present in the urine of patients with Legionnaires' disease. The *L. pneumophila* serogroup 1 antigen has been detected in urine as early as three days after the onset of symptoms. The test is rapid, giving a result within 15 minutes, and is carried out using urine specimens which allow convenient collection, transportation and subsequent detection of the early as well as late stages of the disease.

3. Test Principle

The NADAL® Legionella Test is a chromatographic lateral flow immunoassay for the detection of *Legionella pneumophila* serogroup 1 antigen in human urine. Anti-*L. pneumophila* serogroup 1 antibodies are precoated onto the test line region. During testing, the sample reacts with particles precoated with further anti-*L. pneumophila* serogroup 1 antibodies which are pre-dried onto the internal test strip. The mixture then migrates along the membrane by capillary action.

The specific antibodies present on the membrane will react with the mixture conjugates and generate one or two coloured lines.

The appearance of a coloured line in the control line region serves as a procedural control, indicating that the proper volume of specimen has been added and membrane wicking has occurred.

4. Reagents and Materials Supplied

- 10 NADAL® Legionella test cassettes (incl. disposable pipettes)
- 1 Positive Control: inactivated *L. pneumophila* swab,
  1 Reagent Control + vial, 1 testing tube
- 1 Negative Control: *L. pneumophila* negative swab,
  1 Reagent Control – vial, 1 testing tube
- 1 package insert

5. Additional Materials Required

- Specimen collection container
- Disposable gloves
- Timer

6. Storage & Stability

Store the test as packaged in the sealed foil pouch either refrigerated or at room temperature (2-30°C). The test and reagents are stable until the expiration date printed on the packaging. Do not use test kits beyond their expiration date.

7. Warnings and Precautions

- For professional *in-vitro* diagnostic use only.
- Carefully read through the test procedure prior to testing.
- Do not use the test beyond the expiration date indicated on the package.
- Do not use the test if the foil pouch is damaged.
- Do not reuse tests.
- Do not add samples to the reaction area (result area).
- In order to avoid contamination, do not touch the reaction area (result area).
- Do not substitute or mix components from different test kits.
- Do not eat, drink or smoke in the area where specimens and test kits are handled.
- Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are being assayed.
- Handle all specimens as if they contain infectious agents. Observe established precautions for microbiological risks throughout all procedures and standard guidelines for the appropriate disposal of specimens.
- The test kit contains products of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not completely guarantee the absence of transmissible pathogenic agents. It is therefore recommended that these products be treated as potentially infectious, and handled in accordance with usual safety precautions (e.g., do not ingest or inhale).
- After testing, used testing materials should be discarded in a proper biohazard container and according to local regulations.
- Humidity and temperature can adversely affect test results.

8. Specimen Collection and Preparation

Urine specimens should be collected in standard containers. The samples can be stored at room temperature (15-30°C) if tested within 24 hours of collection. Alternatively, specimens can be stored at 2-8°C for up to 14 days or at -10°C to -20°C for longer periods of time before testing. Boric acid may be used as a preservative.

Where necessary, urine specimens can be transported in leak-proof containers at 2-8°C or frozen. Bring all specimens to room temperature before testing.

NADAL® Legionella Test (Ref. 552020)

9. Test Procedure

Procedure for patient samples (and other, liquid urine controls)

Bring patient samples and/or liquid urine control(s) to room temperature (15-30°C). Do not remove the test cassette from the foil pouch until the test sample or liquid urine control(s) has/have reached the room temperature. The test must be carried out within 2 hours of opening the sealed foil pouch.

1 Remove the test cassette from the foil pouch immediately before use. Use a separate test cassette for each sample or control.

2 Place the test cassette on a flat surface. Use a separate pipette for each sample or control. Dispense exactly 4 drops of the sample/control into the circular sample well marked with an arrow. Start the timer.

3 Read the result after 15 minutes. Do not interpret the result after more than 15 minutes.

Procedure for positive and negative swab controls.

Do not remove the test cassette from the foil pouch until the reagents have reached the room temperature (15-30°C).

Perform the test as follows:

1 Holding the Reagent Control + vial vertically, slowly add 10 drops to the testing tube.

2 Immediately remove the positive control swab from the foil pouch and put the swab into the testing tube with the reagent. Mix for 1 minute and extract as much liquid as possible from the swab, squeezing the sides of the tube as the swab is withdrawn. Discard the swab.

3 Remove the test cassette from the sealed pouch.

4 Place the test cassette on a flat surface. Use a separate pipette and test cassette for each control. Dispense exactly 4 drops of the solution from the testing tube into the circular sample well marked with an arrow. Start the timer.

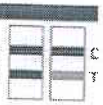
5 Read the result after 15 minutes. Do not interpret the result after more than 15 minutes.

Repeat the procedure for negative control swab using the Reagent Control - instead of the Reagent Control +.

10. Result Interpretation

Positive:

Two red lines appear in the result window. One line appears in the test line region (T) and the other line develops in the control line region (C).



Recommended report: Presumptive positive for *L. pneumophila* serogroup 1 antigen in urine, suggesting current or past infection.

Negative:

Only the red control line appears in the control line region (C).

Recommended report: Presumptive negative for the *L. pneumophila* serogroup 1 antigen in urine, suggesting no recent or current infection. Infection due to *Legionella* cannot be ruled out, since other serogroups and species may cause disease. Moreover, the antigen may not be present in urine in the early stages of infection and the level of antigen present in the urine may be below the detection limit of the test.

Invalid:

The control line fails to appear. Results from any test which has not produced a control line must be discarded, regardless of the presence or absence of the test line at the specified reading time. Please review the procedure and repeat the test with a new test cassette. If the problem persists, discontinue using the test kit immediately and contact your distributor.

11. Quality Control

Positive Procedural Control:

An internal positive procedural control is included in each test cassette:

A reddish line appearing in the control line region (C) is considered an internal procedural control. It confirms sufficient specimen volume, adequate membrane wicking and correct procedural technique.

Negative Procedural Control:

A clear background in the result window is an internal negative background control. The background colour in the result window should be light pink to white within 10-15 minutes and should not interfere with the reading of the test result.

Daily Quality Control:

The manufacturer's recommendation for daily quality control is to document these controls for each sample run.

External positive and negative controls:

Good Laboratory Practice recommends the use of positive and negative controls to assure functionality of reagents and proper performance of the assay procedure. Positive and negative control swabs which monitor the entire assay are provided with the test kit.

To use liquid urine controls, follow the instructions for testing patient samples.

Positive and negative controls should be tested once with each new lot and as otherwise required by your laboratory's standard quality control procedures.

12. Limitation

- The NADAL® Legionella Test has been validated using urine samples only. Other samples (e.g. plasma, serum or other body fluids) that may contain *Legionella* antigen have not been evaluated. The test cannot be used on environmental samples (i.e. drinking water).
- This test cannot detect infections caused by other *L. pneumophila* serogroups and by other *Legionella* species. A negative antigen result does not exclude infection with *L. pneumophila* serogroup 1. Culture is recommended for suspected pneumonia to detect causative agents other than *L. pneumophila* serogroup 1 and to recover *L. pneumophila* serogroup 1 when the antigen is not detected in urine.
- The diagnosis of Legionnaires' disease cannot be based on clinical or radiological evidence alone. There is no single satisfactory laboratory test for Legionnaires' disease. Therefore, culture results, serology and antigen detection methods should be used in conjunction with clinical findings to make an accurate diagnosis.
- Excretion of the *Legionella* antigen in urine may vary from patient to patient. Antigen excretion may begin as early as 3 days after the onset of symptoms and persist for up to 1 year afterwards. A positive result can occur due to current or past infection and is therefore not definitive proof of infection without other supporting evidence.
- The performance of the NADAL® Legionella Test on diuretic urine has not been evaluated. The NADAL® Legionella Test has been evaluated on hospitalised patients only. An outpatient population has not been tested.

13. Expected Values

Legionnaires' disease occurs in both epidemic and endemic forms. Sporadic cases are not easily differentiated from other respiratory infections by clinical symptoms. 25,000 to 100,000 cases of Legionella infection are estimated to occur in the United States annually. The resulting mortality rate, ranging from 25% to 40%, can be lowered if the disease is diagnosed quickly and an appropriate antimicrobial therapy is instituted early.

14. Performance Characteristics

Sensitivity and specificity

An evaluation was performed using the NADAL® Legionella Test with urine specimens in comparison with the immunoassay BinaxNOW® Legionella Urinary Antigen Test (ALERE, USA).

Sensitivity and specificity were determined using standard methods. The measure of concordance was calculated using Cohen's kappa coefficient. The interpretation should be as follow:

Kappa values (IK) <0.4 → weak concordance

Kappa values (IK) between 0.4 - 0.6 → high concordance

Kappa values (IK) >0.6 → excellent concordance

The results are presented in the following table

Method		BinaxNOW® Legionella Urinary Antigen Test (ALERE)		
		Positive	Negative	Results
NADAL® Legionella Test	Positive	17	0	17
	Negative	0	47	47
	Results	17	47	64

Sensitivity: >99%

Specificity: >99%

Positive predictive value: >99%

Negative predictive value: >99%

Kappa value: 1

The NADAL® Legionella Test was highly specific (>99%) and also sensitive (>99%) compared with the results of the Binax NOW® Legionella Urinary Antigen Test in the evaluation.

Cross-reactivity

An evaluation was performed to determine the cross-reactivity of the NADAL® Legionella Test. No cross-reactivity with the pathogens *Streptococcus pneumonia*, occasionally present in urine, was demonstrated.

15. References

1. Roig, J., N. Aguilar, J. Ruiz, et al. Comparative study of Legionella pneumophila and other nosocomial-acquired pneumoniaes. Chest. 1991;99:344-50.
2. Sandé, B.P., C.E. Farshy, and J.C. Feeley. Detection of Legionella pneumophila antigen in urine by enzyme-linked immunospecific assay. J. Clin. Microbiol. 1979;9:575-578.
3. White A., et al. Recent diagnosis of Legionnaires' disease. Trans Am Clin Climatol Assoc. 1982;93:20-6.
4. Bibb, W.F., P.M. Arrow, L. Thacker, and R.M. McKinney. Detection of soluble Legionella pneumophila antigens in serum and urine specimens by enzyme-linked immunosorbent assay with monoclonal and polyclonal antibodies. J. Clin. Microbiol. 1985;22:473-482.
5. Tang, P.W., and S. Toma. Broad-spectrum enzyme-linked immunosorbent assay for detection of Legionella soluble antigens. J. Clin. Microbiol. 1984;24:556-559.
6. Kohler, R.B., W.C. Winn, Jr., and L.I. Wheat. Onset and duration of urinary antigen excretion in Legionnaires' disease. J. Clin. Microbiol. 1984;20:603-607.

Rev. 1, 2015-12-18 OM/U

Symbol	Deutsch	English	Français	Español	Italiano	Polski
CE	CE Konformitätskennzeichen	CE marking of conformity	Conformité aux normes européennes	Conformidad europea	Conformità europea	Znak zgodności CE
	Gebrauchsanweisung beachten	Consult instructions for use	Consulter la notice d'utilisation	Consultense las instrucciones de uso	Consultare le istruzioni per l'uso	Przestrzegać instrukcji obsługi
IVD	In-vitro-Diagnostika	In-vitro diagnostic medical device	Dispositif medical de diagnostic in vitro	Producto sanitario para diagnóstico in vitro	Dispositivo medico-diagnostico in vitro	Tylko do diagnostyki in vitro
	Temperaturbegrenzung	Temperature limitation	Limites de température	Límites de temperatura	Limiti di temperatura	Temperatura przechowywania
LOT	Chargenbezeichnung	Batch code	Code du lot	Código de lote	Codice lotto	Numer serii
	Nicht zur Wiederverwendung	Do not reuse	Ne pas réutiliser	No reutilizar	Non riutilizzare	Tylko do jednorazowego użytku
	Verwendbar bis	Use by	Utiliser jusqu'au	Fecha de caducidad	Utilizzare entro	Data ważności
REF	Bestellnummer	Catalogue number	Référence du catalogue	Número de catálogo	Riferimento di Catalogo	Numer katalogowy
	Hersteller	Manufacturer	Fabricant	Fabricante	Fabbricante	Producent
	Ausreichend für <n> Ansätze	Sufficient for <n> tests	Suffisant pour pour "n" tests	Suficiente para <n> determinaciones	Sufficiente per "n" saggi	Wystarczająco na <n> Powtórzeń

Symbol	Português	Česky	Svensk	Suomeksi	Nederlands	Dansk
CE	Conformidade com as normas europeias	CE certifikát	CE-märkning	CE-merkintä	CE-markering	CE-mærkning
	Consultar as instruções de utilização	Viz návod k použití	Köras kayttöohjeita	Läs bruksanvisningen	Raadpleeg de gebruiksaanwijzing	Se brugsanvisningen
IVD	Dispositivo médico para diagnóstico in vitro	Diagnostický zdravotnický prostředek in vitro	In vitro-diagnostikaan tarkoitettu lääkinnällinen laite	Medicinteknisk produkt, avsedd för in vitro-diagnostik	Medisch hulpmiddel voor in-vitrodiagnostiek	Medicinsk udstyr til in vitro-diagnostik
	Limites de temperatura	Teplotní omezení	Lämpötkerajat	Temperaturgränsning	Temperatuurmeter	Temperaturregulering
LOT	Código do lote	Kód šarže	Eräkoodi	Serienummer	Code van de partij	Batchkode
	Não reutilizar	Pro jednorázové použití	Kertakäyttöinen	Får inte återanvändas	Niet opnieuw gebruiken	Må ikke genbruges
	Prazo de validade	Spotřebujte do	Käytettävä viimeistään	Använd före	Houdbaar tot	Udløbsdato
REF	Número de catálogo	Katalogové číslo	Beställningsnummer	Tilausnumero	Catalogus nummer	Best.nr/ordrenummer
	Fabricante	Výrobce	Tillverkare	Valmistaja	Fabrikant	Fabrikant
	Suficiente para <n> testes	Dostačuje pro <n> testů	Tillräckligt för <n> test	Riittää <n> testiin	Voldoende voor <n> test	Tilstrækkeligt til <n> test

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Către
Agenţia Naţionala pentru Sănătate Publica
In atentia grupului de lucru achizitii publice

Re: 21012779 din 04-10.10.19

Prin prezenta ,"GBG-MLD" SRL care participă la procedura nr. **21012779 din 04-10.10.19** privind achizitionarea medii de cultură, vă comunică următoarele:
- Termenul de valabilitate restant a bunurilor la momentul livrării va constitui pentru mediile de cultură de bază va constitui nu mai puţin de 75% din cel iniţial.Pentru suplimentele la mediile de cultură de bază va constitui nu mai puţin de 90% din cel iniţial.

Cu respect,

Tudor Ceaicovschi
Director „GBG-MLD" SRL