

CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT



Italia

CERTIFICATO

Nr. 50 100 11497 Rev.006

SI ATTESTA CHE / THIS IS TO CERTIFY THAT

IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
THE QUALITY MANAGEMENT SYSTEM OF**LIOFILCHEM S.r.l.**SEDE LEGALE:
REGISTERED OFFICE:**VIA SCOZIA - ZONA INDUSTRIALE
IT - 64026 ROSETO DEGLI ABRUZZI (TE)**

SEDI OPERATIVE: VEDI ALLEGATO 1 / OPERATIONAL SITES: SEE ANNEX 1

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 OF APPLICATION

Progettazione e sviluppo, produzione e vendita di dispositivi medico diagnostici in vitro: terreni di coltura per batteriologia, micologia e parassitologia, controlli/standard/calibratori– microbiologia, test di identificazione e di suscettibilità, e test di microbiologia. Distribuzione di reagenti diagnostici in vitro per chimica clinica e immunochimica (IAF 12, 29)

Design and development, production and sales of in vitro diagnostic culture media for bacteriology, mycology and parasitology, in vitro diagnostic controls/standards/calibrators – microbiology, in vitro diagnostic identification and susceptibility testing, and microbiology tests. Distribution of in vitro diagnostic reagents for chemical chemistry and immunochemistry (IAF 12, 29)



SGQ N° 049A

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition AgreementsPer l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.Validità /Validity
Dal / From: **2025-02-11**
Al / To: **2028-02-10****Francesco Scarlata**Direttore Divisione Business Assurance
Business Assurance Division ManagerData emissione /
Issuing Date**2024-09-10****PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2012-09-25**DATA DI SCADENZA DELL'ULTIMO CICLO DI CERTIFICAZIONE 2025-02-10
EXPIRATION DATE OF THE LAST CERTIFICATION CYCLE: 2025-02-10

"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"



Italia

ALLEGATO 1 AL CERTIFICATO NR 50 100 11497 Rev.006
ANNEX 1 TO CERTIFICATE NO 50 100 11497 Rev.006
pagina 1 di 1 / page 1 of 1

IL CERTIFICATO NR 50 100 11497 Rev.006 COPRE ANCHE LE SEGUENTI SEDI OPERATIVE:
THE CERTIFICATE N 50 100 11497 Rev.006 COVERS ALSO THE FOLLOWING OFFICES:

LIOFILCHEM S.r.l.

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

Produzione di dispositivi medico diagnostici in vitro: terreni di coltura per batteriologia, micologia e parassitologia

Production of in vitro diagnostic culture media for bacteriology, mycology and parasitology

VIA URUGUAY IT - 64026 ROSETO DEGLI ABRUZZI (TE)

Progettazione e sviluppo, produzione e vendita di dispositivi medico diagnostici in vitro: terreni di coltura per batteriologia, micologia e parassitologia, controlli/standard/calibratori– microbiologia, test di identificazione e di suscettibilità, e test di microbiologia. Distribuzione di reagenti diagnostici in vitro per chimica clinica e immunochimica

Design and development, production and sales of in vitro diagnostic culture media for bacteriology, mycology and parasitology, in vitro diagnostic controls/standards/calibrators – microbiology, in vitro diagnostic identification and susceptibility testing, and microbiology tests. Distribution of in vitro diagnostic reagents for chemical chemistry and immunochemistry



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

Validità /Validity
Dal / From: **2025-02-11**
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Francesco Scarlata

Direttore Divisione Business Assurance
Business Assurance Division Manager

Data emissione /
Issuing Date

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"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"



America

CERTIFICATE

No. QS6 071067 0007 Rev. 04**Certificate Holder:**

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

Certification Mark:**Scope of Certificate:**

Design and Development, Production and Distribution of In-Vitro Diagnostic Culture Media for Bacteriology, Mycology and Parasitology, In-Vitro Diagnostic Controls/Standards/Calibrators for Microbiology, In-Vitro Diagnostic Identification and Susceptibility Testing, and Microbiology Tests

Standard(s):**ISO 13485:2016****Regulatory Authority(ies):**

Australia TGA, Brazil ANVISA, Health Canada, USA FDA.
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. For details and certificate validity see:

www.tuvsud.com/ps-cert?q=cert:QS6_071067_0007_Rev_04

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

REPs Facility ID:**F002916****Report No.:****ITA200220002478****Effective Date:****2025-03-11****Expiry Date:****2028-03-10**

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Date of Issue: 2025-01-10

(Renee Walker)
Director, US Certification Body, MHS

CERTIFICATE

No. QS6 071067 0007 Rev. 04

Regulatory Requirements: Audit/Certification Criteria

Australia

Therapeutic Goods (Medical Devices) Regulations 2002
- Schedule 3, Part 1 (excluding Part 1.6) – Full Quality Assurance Procedure

Brazil

- RDC ANVISA n. 665/2022 - Good Manufacturing Practices
- RDC ANVISA n. 551/2021
- RDC ANVISA n. 67/2009 - Vigilance

Canada

- Medical Device Regulations – Part 1- SOR 98/282

United States

- 21 CFR Part 803
- 21 CFR Part 806
- 21 CFR Part 807 – Subparts A to D
- 21 CFR Part 820
- 21 CFR Part 821

Facility(ies):

Liofilchem S.r.l.

Via Scozia, 64026 Roseto degli Abruzzi (TE), ITALY

Liofilchem S.r.l.

Via Uruguay, 64026 Roseto degli Abruzzi (TE), ITALY

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Date of Issue: 2025-01-10



(Renee Walker)
Director, US Certification Body, MHS



America

CERTIFICATE

No. QS6 071067 0007 Rev. 04

Facility Scopes:

Liofilchem S.r.l.

Via Scozia, 64026 Roseto degli Abruzzi (TE), ITALY

Production of In-Vitro Diagnostic Culture Media
for Bacteriology, Mycology and Parasitology
REPs Facility ID: F002916

Liofilchem S.r.l.

Via Uruguay, 64026 Roseto degli Abruzzi (TE), ITALY

Design and Development, Production and Distribution
of In-Vitro Diagnostic Culture Media for Bacteriology,
Mycology and Parasitology, In-Vitro Diagnostic
Controls/Standards/Calibrators for Microbiology,
In-Vitro Diagnostic Identification and Susceptibility
Testing, and Microbiology Tests
REPs Facility ID: F002916

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Date of Issue: 2025-01-10

(Renee Walker)
Director, US Certification Body, MHS



EU Quality Management System Certificate (IVDR)

Pursuant to Regulation (EU) 2017/746 on in Vitro Diagnostic Medical Devices,
Annex IX Chapters I and III (Class C and B Devices excluding self-/near-patient-testing and
Companion Diagnostics)

No. V12 071067 0008 Rev. 00

Manufacturer:

Liofilchem S.r.l.

Via Scozia
64026 Roseto degli Abruzzi (TE)
ITALY

SRN Manufacturer:

Not available at the issuance date of this certificate

The Certification Body of TÜV SÜD Product Service GmbH certifies that the manufacturer has established, documented and implemented a quality management system as described in Article 10 (8) of the Regulation (EU) 2017/746 on in Vitro Diagnostic Medical Devices. Details on devices covered by the quality management system are described on the following page(s).

The Report referenced below summarizes the result of the assessment and includes reference to relevant CS, harmonized standards, audit and test reports. The conformity assessment has been carried out according to Annex IX Chapter I and III of this regulation with a positive result.

The quality management system assessment was accompanied by the assessment of technical documentation for devices selected on a representative basis.

The certified quality management system is subject to periodical surveillance by TÜV SÜD Product Service GmbH. The surveillance assessment includes an assessment of the technical documentation for the device or devices concerned on the basis of further representative samples.

For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:V12 071067 0008 Rev. 00

Report No.:

ITA1674857

Valid from:

2022-07-25

Valid until:

2027-07-24

Christoph Dicks
Head of Certification/Notified Body

Issue date: 2022-07-25



EU Quality Management System Certificate (IVDR)

Pursuant to Regulation (EU) 2017/746 on in Vitro Diagnostic Medical Devices,
Annex IX Chapters I and III (Class C and B Devices excluding self-/near-patient-testing and
Companion Diagnostics)

No. V12 071067 0008 Rev. 00

Classification: B
Device Group: W0104 - MICROBIOLOGY (CULTURE)
Intended Purpose: IVR 0505 - Devices intended to be used to grow/isolate/identify
and handle infectious agents

Classification: B
Device Group: W0104 - MICROBIOLOGY (CULTURE)
Intended Purpose: IVR 0503 - Devices intended to be used to detect the presence of,
or exposure to an infectious agent including sexually transmitted
agents

Classification: C
Device Group: W0104 - MICROBIOLOGY (CULTURE)
IVP Code: IVP 3002 - In vitro diagnostic devices which require knowledge
regarding biochemistry
Intended Purpose: IVR 0505 - Devices intended to be used to grow/isolate/identify
and handle infectious agents

The validity of this certificate \
depends on conditions and/or
is limited to the following:

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 dei dispositivi medico-diagnostici *in vitro* elencati nella tabella sotto riportata Revisione 37.3 del 26.05.2022

dichiara sotto la propria responsabilità

1. che i dispositivi sottoindicati soddisfano 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 i dispositivi sottoindicati non sono inclusi 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 i dispositivi sottoindicati sono stati messi in commercio muniti 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 devices listed in the table below, Revision 37.3 of 26.05.2022

hereby certifies under its own responsibility

1. that the below mentioned devices comply with all the applicable provisions of Directive 98/79/EC (Annex III) and its relevant transposition into national law;
2. the below mentioned devices are 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 below mentioned devices, were introduced into the market provided with CE mark.

Roseto degli Abruzzi (TE),
26.05.2022

Signature:



Technical Director
(Dr. Silvio Brocco)

LIOFILCHEM s.r.l.
BACTERIOLOGY PRODUCTS
Via Scozia
64026 Roseto degli Abruzzi (TE)
Cod. Fisc. e Partita IVA 00530130673

Table no.1

CODE	DESCRIPTION
90 mm agar plates	
11612	Chromatic Candida
11632	Chromatic Clostridium difficile
11640	Chromatic Colistin
11619	Chromatic CRE
11622	Chromatic ESBL
11629	Chromatic ESBL + AmpC
10599	Chromatic MRSA
11631	Chromatic OXA-48
11621	Chromatic VRE
11639	Chromatic GBS
2 sector agar plates	
CODE	DESCRIPTION
18021	Chromatic CRE / Chromatic ESBL
18023	Chromatic CRE / Chromatic OXA-48
18007	Chromatic Staph Aureus / MRSA
18011	Chromatic Detection / ESBL
18024	MSA / Chromatic MRSA
Tubes - Bottles	
CODE	DESCRIPTION
481110	Chromatic Candida
490010	Hemo-aerobic Culturing
490050	Hemo-aerobic Culturing Neonatal
490030	Hemo-aerobic Culturing Pediatric
490020	Hemo-anaerobic Culturing
490060	Hemo-anaerobic Culturing Neonatal
490040	Hemo-anaerobic Culturing Pediatric
Dip-Slide	
CODE	DESCRIPTION
50021	Dermatest
500222	Dermatest modified
500152	Uritest
51015	Uritest
51030	Uritest 2
500302	Uritest 2
51024	Uritest C
500242	Uritest C
51041	Uritest EC
500412	Uritest EC
500702	Uritest EF
51070	Uritest EF
51170	Uritest EF
500182	Uritest M
51018	Uritest M
51040	Uritest Malto
500402	Uritest Malto
51023	Uritest N
51123	Uritest N
500232	Uritest N
51014	Uritest Penta
500142	Uritest Penta
50020	Vagitest

CODE	DESCRIPTION
Dehydrated culture media	
610613	Chromatic candida
620613	Chromatic Candida
611619	Chromatic CRE
621619	Chromatic CRE
610629	Chromatic ESBL
620629	Chromatic ESBL
610615	Chromatic MRSA
620615	Chromatic MRSA
610617	Chromatic Strepto B
620617	Chromatic Strepto B
610501	VRE Agar Base
ComASP	
CODE	DESCRIPTION
75011	ComASP® Benzylpenicillin 0.002-32
75009	ComASP® Cefiderocol 0.0008-128
75004	ComASP® Ceftolozane-tazobactam / Ceftazidime-avibactam
75006	ComASP® Ceftolozane-tazobactam 0.008/4 – 128/4
75003	ComASP® Colistin / Piperacillin-tazobactam
75001	ComASP® Colistin 0.25-16
75010	ComASP® Oritavancin 0.001-16
75002	ComASP® Piperacillin-tazobactam 0.008/4-128/4
75005	ComASP® Vancomycin / Teicoplanin
75007	ComASP® Vancomycin 0.008-128
ID-AST Systems	
CODE	DESCRIPTION
79156	A.F. Genital System
74156	AF Genital System
71620	Anaerobe System
79620	Anaerobe System
71670	Copro System
79670	Copro System
71675	Copro System Plus
79675	Copro System Plus
71618	Enterosystem 18R
79618	Enterosystem 18R
71619	Enterosystem 24R
71714	Integral System Enterobacteria
79714	Integral System Enterobacteria
71724	Integral System Gardnerella
79724	Integral system Gardnerella
71718	Integral System Stafilococchi
79718	Integral System Stafilococchi
71720	Integral System Streptococchi
79720	Integral system Streptococchi
71822	Integral System Yeasts Plus
79822	Integral System Yeasts Plus
72592	Mycoplasma System Plus
79592	Mycoplasma System Plus
71679	Pathogenic System
71681	Pathogenic System AST
79681	Pathogenic System AST
76033	SensiQuattro Candida
79033	SensiQuattro Candida

CODE	DESCRIPTION
76031	SensiQuattro Gram-negative
79031	SensiQuattro Gram-negative
76032	SensiQuattro Gram-positive
79032	SensiQuattro Gram-positive
76010	SensiTest Gram-negative
79010	SensiTest Gram-negative
76020	SensiTest Gram-positive
79020	SensiTest Gram-positive
71630	Staf System 18R
79630	Staf System 18R
72560	Strepto System 12R
79560	Strepto System 12R
74161	Urin System Chrom
79161	Urin System Chrom
74160	Urin System Plus
79160	Urin System Plus
80258	AF Genital System Reagent
80252	Enterosystem 18R Reagent
80260	Identification System Reagent
NP Tests	
CODE	DESCRIPTION
76036	Rapid ESB� NP® Test
76046	RapidResa Polymyxin Acinetobacter NP® Test
Agar Dilution AST	
CODE	DESCRIPTION
77001	AD Fosfomycin 0.25-256
77061	AD Fosfomycin 0.25-256
EPT	
CODE	DESCRIPTION
78618	Entero Pluri Test
78619	Entero Pluri Test
78621	Oxi/ferm Pluri Test
78620	Oxi/ferm Pluri Test
Supplements	
CODE	DESCRIPTION
81088	Chromatic CRE supplement
81090	Chromatic ESB� + AmpC supplement
81089	Chromatic ESB� supplement
81078	Chromatic MRSA supplement
81083	Meropenem supplement
81062	Vancomycin supplement
CultiControl ATCC	
CODE	DESCRIPTION
89139	Bordetella bronchiseptica ATCC® 4617
89174	Acinetobacter baumannii ATCC® 19606
89141	Acinetobacter baumannii ATCC® BAA-747
89114	Actinomyces odontolyticus ATCC® 17929
89169	Aeromonas hydrophila ATCC® 35654
89119	Aeromonas hydrophila ATCC® 7966
89091	Aggregatibacter aphrophilus ATCC® 7901
89021	Aspergillus brasiliensis ATCC® 16404
89057	Aspergillus fumigatus ATCC® 204305
89155	Bacillus cereus ATCC® 10876

CODE	DESCRIPTION
89022	Bacillus Cereus ATCC® 11778
89023	Bacillus subtilis ATCC® 6633
89113	Bacteroides fragilis ATCC® 23745
89078	Bacteroides fragilis ATCC® 25285
89111	Bacteroides ovatus ATCC® 8483
89193	Bacteroides ovatus ATCC® BAA-1296
89079	Bacteroides thetaiotaomicron ATCC® 29741
89147	Burkholderia cepacia ATCC® 25416
89166	Burkholderia cepacia ATCC® 25608
89086	Campylobacter jejuni ATCC® 33291
89167	Campylobacter jejuni subsp. jejuni ATCC® 29428
89145	Campylobacter jejuni subsp. jejuni ATCC® 33560
89183	Candida albicans ATCC® 14053
89177	Candida albicans ATCC® 18804
89178	Candida albicans ATCC® 64124
89072	Candida albicans ATCC® 90028
89024	Candida albicans ATCC® 10231
89098	Candida krusei ATCC® 14243
89071	Candida parapsilosis ATCC® 22019
89097	Candida tropicalis ATCC® 750
89146	Citrobacter freundii ATCC® 43864
89159	Citrobacter freundii ATCC® 8090
89090	Clostridium difficile ATCC® 9689
89112	Clostridium histolyticum ATCC® 19401
89053	Clostridium perfringens ATCC® 13124
89059	Clostridium sordellii ATCC® 9714
89095	Clostridium sporogenes ATCC® 19404
89158	Cronobacter muytjensii ATCC® 51329
89138	Cronobacter sakazakii ATCC® 29544
89196	Eikenella corrodens ATCC® BAA-1152
89156	Enterobacter aerogenes ATCC® 13048
89200	Enterobacter cloacae ATCC® 49141
89065	Enterobacter cloacae subsp. cloacae ATCC® BAA-1143
89195	Enterococcus casseliflavus ATCC® 700327
89115	Enterococcus faecalis ATCC® 33186
89066	Enterococcus faecalis ATCC® 49532
89067	Enterococcus faecalis ATCC® 49533
89173	Enterococcus faecalis ATCC® 51299
89025	Enterococcus faecalis ATCC® 19433
89026	Enterococcus faecalis ATCC® 29212
89171	Enterococcus faecium ATCC® 19434
89117	Enterococcus faecium ATCC® 51559
89152	Enterococcus faecium ATCC® 6057
89172	Enterococcus faecium ATCC® BAA-2319
89184	Escherichia coli ATCC® 11303
89163	Escherichia coli ATCC® 35218
89027	Escherichia coli ATCC® 25922
89028	Escherichia coli ATCC® 8739
89118	Fusobacterium nucleatum ATCC® 25586
89099	Gardnerella vaginalis ATCC® 14018
89123	Haemophilus haemolyticus ATCC® 33390
89120	Haemophilus influenzae ATCC® 10211
89176	Haemophilus influenzae ATCC® 33391
89124	Haemophilus influenzae ATCC® 33533
89077	Haemophilus influenzae ATCC® 49247
89076	Haemophilus influenzae ATCC® 49766
89142	Haemophilus influenzae Type c ATCC® 9007

CODE	DESCRIPTION
89073	<i>Issatchenkia orientalis</i> ATCC ® 6258
89150	<i>Klebsiella pneumoniae</i> ATCC ® BAA-1144
89088	<i>Klebsiella pneumoniae</i> ATCC ® BAA-1705
89087	<i>Klebsiella pneumoniae</i> ATCC ® BAA-1706
89069	<i>Klebsiella pneumoniae</i> ATCC ® BAA-2146
89089	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> ATCC ® 13883
89199	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> ATCC ® 31488
89192	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> ATCC ® 4352
89070	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> ATCC ® 700603
89080	<i>Lactobacillus acidophilus</i> ATCC ® 4356
89100	<i>Lactobacillus fermentum</i> ATCC ® 9338
89055	<i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> ATCC ® BAA-52
89081	<i>Lactobacillus leichmannii</i> ATCC ® 4797
89082	<i>Lactococcus lactis</i> ATCC ® 19435
89151	<i>Legionella pneumophila</i> subsp. <i>fraseri</i> ATCC ® 33156
89052	<i>Legionella pneumophila</i> subsp. <i>pneumophila</i> ATCC® 33152
89101	<i>Listeria grayi</i> ATCC ® 25401
89029	<i>Listeria innocua</i> ATCC® 33090
89030	<i>Listeria ivanovii</i> ATCC® 19119
89085	<i>Listeria monocytogenes</i> ATCC ® 13932
89148	<i>Listeria monocytogenes</i> ATCC ® 35152
89060	<i>Listeria monocytogenes</i> ATCC ® 7644
89143	<i>Listeria monocytogenes</i> ATCC ® BAA-751
89031	<i>Listeria monocytogenes</i> ATCC® 19111
89051	<i>Listeria monocytogenes</i> ATCC® 19115
89096	<i>Micrococcus luteus</i> ATCC ® 10240
89102	<i>Micrococcus luteus</i> ATCC ® 4698
89103	<i>Moraxella (Branhamella) catarrhalis</i> ATCC ® 25238
89074	<i>Neisseria gonorrhoeae</i> ATCC ® 19424
89075	<i>Neisseria gonorrhoeae</i> ATCC ® 31426
89104	<i>Neisseria gonorrhoeae</i> ATCC ® 49226
89122	<i>Neisseria gonorrhoeae</i> ATCC ® 49981
89164	<i>Neisseria meningitidis</i> ATCC ® 13090
89189	<i>Nocardia brasiliensis</i> ATCC ® 19296
89165	<i>Peptostreptococcus anaerobius</i> ATCC ® 27337
89094	<i>Plesiomonas shigelloides</i> ATCC ® 14029
89162	<i>Porphyromonas gingivalis</i> ATCC ® 33277
89134	<i>Prevotella melaninogenica</i> ATCC ® 25845
89135	<i>Propionibacterium acnes</i> ATCC® 11827
89190	<i>Proteus hauseri</i> ATCC ® 13315
89049	<i>Proteus mirabilis</i> ATCC® 12453
89083	<i>Proteus mirabilis</i> ATCC ® 29906
89105	<i>Proteus mirabilis</i> ATCC ® 35659
89106	<i>Proteus mirabilis</i> ATCC ® 43071
89032	<i>Proteus mirabilis</i> ATCC® 25933
89107	<i>Proteus vulgaris</i> ATCC ® 6380
89125	<i>Providencia stuartii</i> ATCC ® 33672
89033	<i>Pseudomonas aeruginosa</i> ATCC® 27853
89034	<i>Pseudomonas aeruginosa</i> ATCC® 9027
89108	<i>Pseudomonas aeruginosa</i> ATCC ® 10145
89109	<i>Pseudomonas aeruginosa</i> ATCC ® 15442

CODE	DESCRIPTION
89110	<i>Pseudomonas fluorescens</i> ATCC ® 13525
89035	<i>Rhodococcus equi</i> ATCC® 6939
89036	<i>Saccharomyces cerevisiae</i> ATCC® 9763
89154	<i>Salmonella enterica</i> subsp. <i>arizonae</i> ATCC ® 13314
89084	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Enteritidis</i> ATCC ® 13076
89185	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Hillingdon</i> ATCC® 9184
89161	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Paratyphi A</i> ATCC ® 9150
89197	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimurium</i> ATCC ® 49416
89054	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimurium</i> ATCC® 13311
89037	<i>Salmonella typhimurium</i> ATCC® 14028
89191	<i>Serratia marcescens</i> ATCC ® 14756
89121	<i>Serratia marcescens</i> ATCC ® 8100
89179	<i>Shigella boydii</i> ATCC ® 9207
89198	<i>Shigella flexneri</i> ATCC ® 9199
89038	<i>Shigella flexneri</i> ATCC® 12022
89058	<i>Shigella sonnei</i> ATCC ® 25931
89180	<i>Shigella sonnei</i> ATCC ® 9290
89040	<i>Staphylococcus aureus</i> ATCC® 25923
89041	<i>Staphylococcus aureus</i> ATCC® 29213
89042	<i>Staphylococcus aureus</i> ATCC® 33862
89043	<i>Staphylococcus aureus</i> ATCC® 43300
89044	<i>Staphylococcus aureus</i> ATCC® 6538
89182	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® 9144
89137	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® 19095
89116	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® 33591
89181	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® 49476
89093	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® 700699
89170	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC ® BAA-44
89092	<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC® 700698
89202	<i>Staphylococcus epidermidis</i> ATCC ® 14990
89045	<i>Staphylococcus epidermidis</i> ATCC® 12228
89126	<i>Staphylococcus haemolyticus</i> ATCC ® 29970
89153	<i>Staphylococcus saprophyticus</i> ATCC ® 15305
89133	<i>Staphylococcus xylosus</i> ATCC ® 29971
89149	<i>Stenotrophomonas maltophilia</i> ATCC ® 13637
89194	<i>Stenotrophomonas maltophilia</i> ATCC ® 17666
89046	<i>Streptococcus agalactiae</i> ATCC® 13813
89127	<i>Streptococcus anginosus</i> ATCC ® 33397
89061	<i>Streptococcus bovis</i> ATCC ® 33317
89128	<i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> ATCC ® 12388
89129	<i>Streptococcus mitis</i> ATCC ® 6249
89062	<i>Streptococcus mutans</i> ATCC ® 25175
89063	<i>Streptococcus pneumoniae</i> ATCC ® 27336
89175	<i>Streptococcus pneumoniae</i> ATCC ® 700671
89047	<i>Streptococcus pneumoniae</i> ATCC® 49619
89130	<i>Streptococcus pyogenes</i> ATCC ® 49399
89048	<i>Streptococcus pyogenes</i> ATCC® 19615

CODE	DESCRIPTION
89131	Streptococcus salivarius ATCC® 13419
89186	Streptococcus salivarius subsp. thermophilus ATCC® 19258
89064	Streptococcus sanguinis ATCC® 10556
89140	Trichophyton mentagrophytes ATCC® 9533
89144	Vibrio alginolyticus ATCC® 17749
89056	Vibrio parahaemolyticus ATCC® 17802
89050	Yersinia enterocolitica ATCC® 9610
89168	Yersinia enterocolitica subsp. enterocolitica ATCC® 23715

Antibiotic disc in cartridges

CODE	DESCRIPTION
9004	Amikacin AK 30 µg
9004/1	Amikacin AK 30 µg
9191	Amoxicillin + Clavulanic acid AUG 3 (2+1) µg
9191/1	Amoxicillin + Clavulanic acid AUG 3 (2+1) µg
9133	Amoxicillin AML 10 µg
9133/1	Amoxicillin AML 10 µg
9151/1	Amoxicillin AML 2 µg
9151	Amoxicillin AML 2 µg
9179	Amoxicillin AML 25 µg
9179/1	Amoxicillin AML 25 µg
9005	Amoxicillin AML 30 µg
9005/1	Amoxicillin AML 30 µg
9048	Amoxicillin-clavulanic acid AUG 30 µg
9048/1	Amoxicillin-clavulanic acid AUG 30 µg
9255	Amoxicillin-clavulanic acid AUG 7.5 µg
9255/1	Amoxicillin-clavulanic acid AUG 7.5 µg
9137	Amphotericin B AMB 10 µg
9137/1	Amphotericin B AMB 10 µg
9071	Amphotericin B AMB 20 µg
9071/1	Amphotericin B AMB 20 µg
9006	Ampicillin AMP 10 µg
9006/1	Ampicillin AMP 10 µg
9115/1	Ampicillin AMP 2 µg
9115	Ampicillin AMP 2 µg
9031	Ampicillin-sulbactam AMS 20 µg
9031/1	Ampicillin-sulbactam AMS 20 µg
9122	Ampliclox (Ampicillin-cloxacillin) ACL 30 (25+5) µg
9122/1	Ampliclox (Ampicillin-cloxacillin) ACL 30 (25+5) µg
9105	Azithromycin AZM 15 µg
9105/1	Azithromycin AZM 15 µg
9007	Azlocillin AZL 75 µg
9007/1	Azlocillin AZL 75 µg
9008	Aztreonam ATM 30 µg
9008/1	Aztreonam ATM 30 µg
9051	Bacitracin BA 10 IU
9051/1	Bacitracin BA 10 IU
9009	Carbenicillin CAR 100 µg
9009/1	Carbenicillin CAR 100 µg
9165	Caspofungin CAS 5 µg
9165/1	Caspofungin CAS 5 µg
9010/1	Cefaclor 30 µg
9010	Cefaclor 30 µg
9052	Cefadroxil CDX 30 µg
9052/1	Cefadroxil CDX 30 µg

CODE	DESCRIPTION
9014	Cefamandole MA 30 µg
9014/1	Cefamandole MA 30 µg
9015	Cefazolin KZ 30 µg
9015/1	Cefazolin KZ 30 µg
9143	Cefepime + Clavulanic acid FEL 40 µg
9143/1	Cefepime + Clavulanic acid FEL 40 µg
9220	Cefepime FEP 10 µg
9220/1	Cefepime FEP 10 µg
9104	Cefepime FEP 30 µg
9104/1	Cefepime FEP 30 µg
9266/1	Cefiderocol FDC 30 µg
9266	Cefiderocol FDC 30 µg
9089	Cefixime CFM 5 µg
9089/1	Cefixime CFM 5 µg
9016	Cefoperazone CFP 30 µg
9016/1	Cefoperazone CFP 30 µg
9108	Cefoperazone CFP 75 µg
9108/1	Cefoperazone CFP 75 µg
9203	Cefotaxime + Clavulanic acid + Cloxacillin CTLC
9203/1	Cefotaxime + Clavulanic acid + Cloxacillin CTLC
9182	Cefotaxime + Clavulanic acid CTL 40 (30+10) µg
9182/1	Cefotaxime + Clavulanic acid CTL 40 (30+10) µg
9224	Cefotaxime + Cloxacillin CTC
9224/1	Cefotaxime + Cloxacillin CTC
9017	Cefotaxime CTX 30 µg
9017/1	Cefotaxime CTX 30 µg
9152	Cefotaxime CTX 5 µg
9152/1	Cefotaxime CTX 5 µg
9134/1	Cefotaxime CTX 75 µg
9081	Cefotetan CTT 30 µg
9081/1	Cefotetan CTT 30 µg
9144	Cefoxitin + Cloxacillin FOC 230 µg
9144/1	Cefoxitin + Cloxacillin FOC 230 µg
9018	Cefoxitin FOX 30 µg
9018/1	Cefoxitin FOX 30 µg
9185	Cefpirome CR 30 µg
9190	Cefpodoxime + Clavulanic acid PXL 11 (10+1) µg
9190/1	Cefpodoxime + Clavulanic acid PXL 11 (10+1) µg
9064	Cefpodoxime PX 10 µg
9064/1	Cefpodoxime PX 10 µg
9112	Cefprozil CPR 30 µg
9112/1	Cefprozil CPR 30 µg
9053/1	Cefsulodin CSD 30 µg
9053	Cefsulodin CSD 30 µg
9198	Ceftaroline CPT 30 µg
9198/1	Ceftaroline CPT 30 µg
9195	Ceftaroline CPT 5 µg
9195/1	Ceftaroline CPT 5 µg
9204	Ceftazidime + Clavulanic acid + Cloxacillin CALC
9204/1	Ceftazidime + Clavulanic acid + Cloxacillin CALC
9145	Ceftazidime + Clavulanic acid CAL 40 (30+10) µg
9145/1	Ceftazidime + Clavulanic acid CAL 40 (30+10) µg
9225	Ceftazidime + Cloxacillin CAC
9225/1	Ceftazidime + Cloxacillin CAC
9153	Ceftazidime CAZ 10 µg
9153/1	Ceftazidime CAZ 10 µg
9019	Ceftazidime CAZ 30 µg
9019/1	Ceftazidime CAZ 30 µg

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CODE	DESCRIPTION
9206	Ceftazime-avibactam CZA 14 µg
9206/1	Ceftazime-avibactam CZA 14 µg
9205	Ceftazime-avibactam CZA 50 µg
9205/1	Ceftazime-avibactam CZA 50 µg
9101	Ceftibuten CTB 30 µg
9101/1	Ceftibuten CTB 30 µg
9054	Ceftizoxime CZX 30 µg
9054/1	Ceftizoxime CZX 30 µg
9242/1	Ceftobiprole BPR 5 µg
9242	Ceftobiprole BPR 5 µg
9246/1	Ceftolozane-tazobactam C/T 40 µg
9246	Ceftolozane-tazobactam C/T 40 µg
9020	Ceftriaxone CRO 30 µg
9020/1	Ceftriaxone CRO 30 µg
9232/1	Cefuroxime CXM 1 µg
9232	Cefuroxime CXM 1 µg
9021	Cefuroxime CXM 30 µg
9021/1	Cefuroxime CXM 30 µg
9011	Cephalexin CL 30 µg
9011/1	Cephalexin CL 30 µg
9013	Cephalothin KF 30 µg
9013/1	Cephalothin KF 30 µg
9055	Cephradine CE 30 µg
9055/1	Cephradine CE 30 µg
9128	Chloramphenicol C 10 µg
9128/1	Chloramphenicol C 10 µg
9022	Chloramphenicol C 30 µg
9022/1	Chloramphenicol C 30 µg
9057	Cinoxacin CIN 100 µg
9057/1	Cinoxacin CIN 100 µg
9056	Ciprofloxacin CIP 5 µg
9056/1	Ciprofloxacin CIP 5 µg
9098	Clarithromycin CLR 15 µg
9098/1	Clarithromycin CLR 15 µg
9146	Clindamycin CD 10 µg
9146/1	Clindamycin CD 10 µg
9047	Clindamycin CD 2 µg
9047/1	Clindamycin CD 2 µg
9097	Clotrimazole CLO 50 µg
9097/1	Clotrimazole CLO 50 µg
9058	Cloxacillin CX 5 µg
9058/1	Cloxacillin CX 5 µg
9023	Colistin sulfate CS 10 µg
9023/1	Colistin sulfate CS 10 µg
9184	Colistin sulfate CS 25 µg
9184/1	Colistin sulfate CS 25 µg
9141	Colistin Sulfate CS 30 IU
9141/1	Colistin Sulfate CS 30 IU
9090	Daptomycin DAP 30 µg
9090/1	Daptomycin DAP 30 µg
9093	Dicloxacillin DCX 1 µg
9093/1	Dicloxacillin DCX 1 µg
9194	Dipicolinic acid DP
9194/1	Dipicolinic acid DP
9154	Doripenem DOR 10 µg
9154/1	Doripenem DOR 10 µg
9059	Doxycycline DXT 30 µg
9059/1	Doxycycline DXT 30 µg

CODE	DESCRIPTION
9072	Econazole ECN 10 µg
9072/1	Econazole ECN 10 µg
9087	EDTA ED
9087/1	EDTA ED
9238/1	Eravacycline ERV 20 µg
9238	Eravacycline ERV 20 µg
9199	Ertapenem + Cloxacillin ET + CL
9199/1	Ertapenem + Cloxacillin ET + CL
9202	Ertapenem + Phenylboronic acid ET + BO
9202/1	Ertapenem + Phenylboronic acid ET + BO
9061	Ertapenem ETP 10 µg
9061/1	Ertapenem ETP 10 µg
9024	Erythromycin E 15 µg
9024/1	Erythromycin E 15 µg
9180/1	Erythromycin E 2 µg
9180	Erythromycin E 2 µg
9069	Fluconazole FLU 100 µg
9069/1	Fluconazole FLU 100 µg
9166	Fluconazole FLU 25 µg
9166/1	Fluconazole FLU 25 µg
9073	Flucytosine AFY 1 µg
9073/1	Flucytosine AFY 1 µg
9148	Flucytosine AFY 10 µg
9148/1	Flucytosine AFY 10 µg
9121	Fosfomycin FOS 100 µg
9121/1	Fosfomycin FOS 100 µg
9109	Fosfomycin FOS 200 µg
9109/1	Fosfomycin FOS 200 µg
9025	Fosfomycin FOS 50 µg
9025/1	Fosfomycin FOS 50 µg
9099	Furazolidon FR 50 µg
9099/1	Furazolidon FR 50 µg
9049	Fusidic acid FC 10 µg
9049/1	Fusidic acid FC 10 µg
9111	Fusidic acid FC 30 µg
9111/1	Fusidic acid FC 30 µg
9169	Gatifloxacin GAT 5 µg
9169/1	Gatifloxacin GAT 5 µg
9026	Gentamicin CN 10 µg
9026/1	Gentamicin CN 10 µg
9124	Gentamicin CN 120 µg
9124/1	Gentamicin CN 120 µg
9125	Gentamicin CN 30 µg
9125/1	Gentamicin CN 30 µg
9074	Griseofulvin AGF 10 µg
9074/1	Griseofulvin AGF 10 µg
9086	Imipenem + Cloxacillin IMI + CL
9183	Imipenem + EDTA IMI + ED 760 (10+750) µg
9183/1	Imipenem + EDTA IMI + ED 760 (10+750) µg
9085	Imipenem + Phenylboronic acid IMI + BO
9085/1	Imipenem + Phenylboronic acid IMI + BO
9079	Imipenem IMI 10 µg
9079/1	Imipenem IMI 10 µg
9107	Itraconazole ITC 50 µg
9107/1	Itraconazole ITC 50 µg
9139	Itraconazole ITC 8 µg
9139/1	Itraconazole ITC 8 µg
9027	Kanamycin K 30 µg

CODE	DESCRIPTION
9027/1	Kanamycin K 30 µg
9075	Ketoconazole KCA 10 µg
9075/1	Ketoconazole KCA 10 µg
9140	Ketoconazole KCA 15 µg
9140/1	Ketoconazole KCA 15 µg
9102	Levofloxacin LEV 5 µg
9102/1	Levofloxacin LEV 5 µg
9267	Levonadifloxacin LND 10 µg
9267/1	Levonadifloxacin LND 10 µg
9116	Lincomycin MY 15 µg
9116/1	Lincomycin MY 15 µg
9028	Lincomycin MY 2 µg
9028/1	Lincomycin MY 2 µg
9155	Linezolid LNZ 10 µg
9155/1	Linezolid LNZ 10 µg
9136	Linezolid LNZ 30 µg
9136/1	Linezolid LNZ 30 µg
9113	Lomefloxacin LOM 10 µg
9113/1	Lomefloxacin LOM 10 µg
9156	Mecillinam MEC 10 µg
9156/1	Mecillinam MEC 10 µg
9175/1	Meropenem + Cloxacillin MR + CL
9178	Meropenem + EDTA MR + ED
9178/1	Meropenem + EDTA MR + ED
9176	Meropenem + Phenylboronic acid MR + BO
9176/1	Meropenem + Phenylboronic acid MR + BO
9068	Meropenem MRP 10 µg
9068/1	Meropenem MRP 10 µg
9175	Meropenem + Cloxacillin MR + CL
9029/1	Methicillin MET 5 µg
9029	Methicillin MET 5 µg
9076	Metronidazole MTZ 5 µg
9076/1	Metronidazole MTZ 5 µg
9119/1	Metronidazole MTZ 50 µg
9119	Metronidazole MTZ 50 µg
9062	Mezlocillin MEZ 75 µg
9062/1	Mezlocillin MEZ 75 µg
9077	Miconazole MCL 10 µg
9077/1	Miconazole MCL 10 µg
9030	Minocycline MN 30 µg
9030/1	Minocycline MN 30 µg
9103	Moxifloxacin MXF 5 µg
9103/1	Moxifloxacin MXF 5 µg
9157	Mupirocin MUP 200 µg
9157/1	Mupirocin MUP 200 µg
9189	Mupirocin MUP 5 µg
9174	Nafcillin NAF 1 µg
9174/1	Nafcillin NAF 1 µg
9001	Nalidixic acid NA 30 µg
9001/1	Nalidixic acid NA 30 µg
9032	Neomycin N 30 µg
9032/1	Neomycin N 30 µg
9170	Netilmicin NET 10 µg
9170/1	Netilmicin NET 10 µg
9033	Netilmicin NET 30 µg
9033/1	Netilmicin NET 30 µg
9158	Nitrofurantoin F 100 µg
9158/1	Nitrofurantoin F 100 µg

CODE	DESCRIPTION
9034	Nitrofurantoin F 300 µg
9034/1	Nitrofurantoin F 300 µg
9181	Nitrofurantoin F 50 µg
9181/1	Nitrofurantoin F 50 µg
9209/1	Nitroxolin NI 30 µg
9209	Nitroxolin NI 30 µg
9035	Norfloxacin NOR 10 µg
9035/1	Norfloxacin NOR 10 µg
9063	Novobiocin NO 30 µg
9063/1	Novobiocin NO 30 µg
9117/1	Novobiocin NO 5 µg
9117	Novobiocin NO 5 µg
9078	Nystatin NY 100 IU
9078/1	Nystatin NY 100 IU
9080	Ofloxacin OFX 5 µg
9080/1	Ofloxacin OFX 5 µg
9201	Oritavancin ORI 5 µg
9201/1	Oritavancin ORI 5 µg
9036	Oxacillin OX 1 µg
9036/1	Oxacillin OX 1 µg
9135	Oxacillin OX 5 µg
9135/1	Oxacillin OX 5 µg
9002	Oxolinic acid OA 2 µg
9002/1	Oxolinic acid OA 2 µg
9065	Oxytetracycline OT 30 µg
9065/1	Oxytetracycline OT 30 µg
9091	Pefloxacin PEF 5 µg
9091/1	Pefloxacin PEF 5 µg
9130/1	Penicillin G P 1 IU
9130	Penicillin G P 1 IU
9037	Penicillin G P 10 IU
9037/1	Penicillin G P 10 IU
9127	Penicillin G P 2 IU
9127/1	Penicillin G P 2 IU
9171	Phenoxymethylpenicillin PV 10 µg
9171/1	Phenoxymethylpenicillin PV 10 µg
9193	Phenylboronic acid BO
9193/1	Phenylboronic acid BO
9003	Pipemidic acid PI 20 µg
9003/1	Pipemidic acid PI 20 µg
9038	Piperacillin PRL 100 µg
9038/1	Piperacillin PRL 100 µg
9159	Piperacillin PRL 30 µg
9159/1	Piperacillin PRL 30 µg
9100/1	Piperacillin-tazobactam TZP 110 µg
9100	Piperacillin-tazobactam TZP 110 µg
9160	Piperacillin-tazobactam TZP 36 µg
9160/1	Piperacillin-tazobactam TZP 36 µg
9066	Polymyxin B PB 100 IU
9066/1	Polymyxin B PB 100 IU
9120	Polymyxin B PB 300 IU
9120/1	Polymyxin B PB 300 IU
9167	Posaconazole POS 5 µg
9167/1	Posaconazole POS 5 µg
9039	Rifampicin RD 30 µg
9039/1	Rifampicin RD 30 µg
9118	Rifampicin RD 5 µg
9118/1	Rifampicin RD 5 µg

CODE	DESCRIPTION
9192	Rokitamycin ROK 30 µg
9192/1	Rokitamycin ROK 30 µg
9060	Roxithromycin RXT 15 µg
9060/1	Roxithromycin RXT 15 µg
9046	Sisomycin SIS 30 µg
9046/1	Sisomycin SIS 30 µg
9131	Sodium Fusidate FC 30 µg
9067	Spectinomycin SPC 100 µg
9067/1	Spectinomycin SPC 100 µg
9088	Spiramycin SP 100 µg
9088/1	Spiramycin SP 100 µg
9040	Streptomycin S 10 µg
9040/1	Streptomycin S 10 µg
9162	Streptomycin S 300 µg
9162/1	Streptomycin S 300 µg
9129/1	Sulbactam SU 20 µg
9129	Sulbactam SU 20 µg
9150	Sulfadiazine SUZ 300 µg
9150/1	Sulfadiazine SUZ 300 µg
9041	Sulfafurazole SF 300 µg
9041/1	Sulfafurazole SF 300 µg
9187	Sulfamethoxazole SMX 100 µg
9187/1	Sulfamethoxazole SMX 100 µg
9084	Sulfamethoxazole SMX 50 µg
9084/1	Sulfamethoxazole SMX 50 µg
9132	Sulfaprim SXT 50 µg
9132/1	Sulfaprim SXT 50 µg
9126	Sulfonamide S3 300 µg
9126/1	Sulfonamide S3 300 µg
9243/1	Tedizolid TZD 2 µg
9243	Tedizolid TZD 2 µg
9245/1	Tedizolid TZD 20 µg
9245	Tedizolid TZD 20 µg
9050	Teicoplanin TEC 30 µg
9050/1	Teicoplanin TEC 30 µg
9172	Telithromycin TEL 15 µg
9172/1	Telithromycin TEL 15 µg
9186	Temocillin TMO 30 µg
9186/1	Temocillin TMO 30 µg
9043	Tetracycline TE 30 µg
9043/1	Tetracycline TE 30 µg
9094	Tiamulin T 30 µg
9094/1	Tiamulin T 30 µg
9070	Ticarcillin TC 75 µg
9070/1	Ticarcillin TC 75 µg
9096	Ticarcillin-clavulanic acid TTC 85 µg
9096/1	Ticarcillin-clavulanic acid TTC 85 µg
9147	Tigecyclin TGC 15 µg
9147/1	Tigecyclin TGC 15 µg
9044	Tobramycin TOB 10 µg
9044/1	Tobramycin TOB 10 µg
9163	Tobramycin TOB 30 µg
9163/1	Tobramycin TOB 30 µg
9042	Trimethoprim – Sulfamethoxazole SXT 25 µg
9042/1	Trimethoprim – Sulfamethoxazole SXT 25 µg
9083	Trimethoprim TM 2.5 µg
9083/1	Trimethoprim TM 2.5 µg
9110	Trimethoprim TM 5 µg

CODE	DESCRIPTION
9110/1	Trimethoprim TM 5 µg
9082	Tylosin TY 30 µg
9082/1	Tylosin TY 30 µg
9045	Vancomycin VA 30 µg
9045/1	Vancomycin VA 30 µg
9164	Vancomycin VA 5 µg
9164/1	Vancomycin VA 5 µg
9168	Voriconazole VO 1 µg
9168/1	Voriconazole VO 1 µg
99002	ESBL disc kit (acc. to EUCAST)
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
Antibiotic disc in canister	
CODE	DESCRIPTION
9004/2	Amikacin AK 30 µg
9133/2	Amoxicillin AML 10 µg
9005/2	Amoxicillin AML 30 µg
9048/2	Amoxicillin-clavulanic acid AUG 30 µg
9137/2	Amphotericin B AMB 10 µg
9071/2	Amphotericin B AMB 20 µg
9006/2	Ampicillin AMP 10 µg
9115/2	Ampicillin AMP 2 µg
9031/2	Ampicillin-sulbactam AMS 20 µg
9105/2	Azithromycin AZM 15 µg
9007/2	Azlocillin AZL 75 µg
9008/2	Aztreonam ATM 30 µg
9051/2	Bacitracin BA 10 IU
9009/2	Carbenicillin CAR 100 µg
9010/2	Cefaclor 30 µg
9052/2	Cefadroxil CDX 30 µg
9014/2	Cefamandole MA 30 µg
9015/2	Cefazolin KZ 30 µg
9143/2	Cefepime + Clavulanic acid FEL 40 µg
9104/2	Cefepime FEP 30 µg
9266/2	Cefiderocol FDC 30 µg
9089/2	Cefixime CFM 5 µg
9016/2	Cefoperazone CFP 30 µg
9108/2	Cefoperazone CFP 75 µg
9182/2	Cefotaxime + Clavulanic acid CTL 40 (30+10) µg
9017/2	Cefotaxime CTX 30 µg
9152/2	Cefotaxime CTX 5 µg
9018/2	Cefoxitin FOX 30 µg
9064/2	Cefpodoxime PX 10 µg
9053/2	Cefsulodin CSD 30 µg
9198/2	Ceftaroline CPT 30 µg
9195/2	Ceftaroline CPT 5 µg
9145/2	Ceftazidime + Clavulanic acid CAL 40 (30+10) µg
9153/2	Ceftazidime CAZ 10 µg
9019/2	Ceftazidime CAZ 30 µg
9206/2	Ceftazime-avibactam CZA 14 µg
9101/2	Ceftibuten CTB 30 µg

CODE	DESCRIPTION
9054/2	Ceftizoxime CZX 30 µg
9242/2	Ceftobiprole BPR 5 µg
9246/2	Ceftolozane-tazobactam C/T 40 µg
9020/2	Ceftriaxone CRO 30 µg
9232/2	Cefuroxime CXM 1 µg
9021/2	Cefuroxime CXM 30 µg
9011/2	Cephalexin CL 30 µg
9013/2	Cephalothin KF 30 µg
9055/2	Cephradine CE 30 µg
9022/2	Chloramphenicol C 30 µg
9057/2	Cinoxacin CIN 100 µg
9056/2	Ciprofloxacin CIP 5 µg
9098/2	Clarithromycin CLR 15 µg
9146/2	Clindamycin CD 10 µg
9047/2	Clindamycin CD 2 µg
9097/2	Clotrimazole CLO 50 µg
9058/2	Cloxacillin CX 5 µg
9023/2	Colistin sulfate CS 10 µg
9141/2	Colistin Sulfate CS 30 IU
9090/2	Daptomycin DAP 30 µg
9154/2	Doripenem DOR 10 µg
9059/2	Doxycycline DXT 30 µg
9238/2	Eravacycline ERV 20 µg
9061/2	Ertapenem ETP 10 µg
9024/2	Erythromycin E 15 µg
9180/2	Erythromycin E 2 µg
9166/2	Fluconazole FLU 25 µg
9148/2	Flucytosine AFY 10 µg
9121/2	Fosfomycin FOS 100 µg
9109/2	Fosfomycin FOS 200 µg
9025/2	Fosfomycin FOS 50 µg
9049/2	Fusidic acid FC 10 µg
9026/2	Gentamicin CN 10 µg
9124/2	Gentamicin CN 120 µg
9125/2	Gentamicin CN 30 µg
9079/2	Imipenem IMI 10 µg
9107/2	Itraconazole ITC 50 µg
9139/2	Itraconazole ITC 8 µg
9027/2	Kanamycin K 30 µg
9075/2	Ketoconazole KCA 10 µg
9102/2	Levofloxacin LEV 5 µg
9116/2	Lincomycin MY 15 µg
9028/2	Lincomycin MY 2 µg
9155/2	Linezolid LNZ 10 µg
9156/2	Mecillinam MEC 10 µg
9176/2	Meropenem + Phenylboronic acid MR + BO
9068/2	Meropenem MRP 10 µg
9029/2	Methicillin MET 5 µg
9119/2	Metronidazole MTZ 50 µg
9077/2	Miconazole MCL 10 µg
9030/2	Minocycline MN 30 µg
9103/2	Moxifloxacin MXF 5 µg
9157/2	Mupirocin MUP 200 µg
9189/2	Mupirocin MUP 5 µg
9174/2	Nafcillin NAF 1 µg
9001/2	Nalidixic acid NA 30 µg
9032/2	Neomycin N 30 µg
9033/2	Netilmicin NET 30 µg

CODE	DESCRIPTION
9158/2	Nitrofurantoin F 100 µg
9034/2	Nitrofurantoin F 300 µg
9181/2	Nitrofurantoin F 50 µg
9209/2	Nitroxolin NI 30 µg
9035/2	Norfloxacin NOR 10 µg
9063/2	Novobiocin NO 30 µg
9117/2	Novobiocin NO 5 µg
9078/2	Nystatin NY 100 IU
9080/2	Ofloxacin OFX 5 µg
9201/2	Oritavancin ORI 5 µg
9036/2	Oxacillin OX 1 µg
9002/2	Oxolinic acid OA 2 µg
9065/2	Oxytetracycline OT 30 µg
9091/2	Pefloxacin PEF 5 µg
9130/2	Penicillin G P 1 IU
9037/2	Penicillin G P 10 IU
9193/2	Phenylboronic acid BO
9003/2	Pipemidic acid PI 20 µg
9038/2	Piperacillin PRL 100 µg
9159/2	Piperacillin PRL 30 µg
9100/2	Piperacillin-tazobactam TZP 110 µg
9160/2	Piperacillin-tazobactam TZP 36 µg
9066/2	Polymyxin B PB 100 IU
9120/2	Polymyxin B PB 300 IU
9039/2	Rifampicin RD 30 µg
9118/2	Rifampicin RD 5 µg
9060/2	Roxithromycin RXT 15 µg
9046/2	Sisomycin SIS 30 µg
9067/2	Spectinomycin SPC 100 µg
9040/2	Streptomycin S 10 µg
9041/2	Sulfafurazole SF 300 µg
9243/2	Tedizolid TZD 2 µg
9050/2	Teicoplanin TEC 30 µg
9043/2	Tetracycline TE 30 µg
9094/2	Tiamulin T 30 µg
9070/2	Ticarcillin TC 75 µg
9096/2	Ticarcillin-clavulanic acid TTC 85 µg
9147/2	Tigecyclin TGC 15 µg
9044/2	Tobramycin TOB 10 µg
9042/2	Trimethoprim – Sulfamethoxazole SXT 25 µg
9083/2	Trimethoprim TM 2.5 µg
9110/2	Trimethoprim TM 5 µg
9045/2	Vancomycin VA 30 µg
9164/2	Vancomycin VA 5 µg
9168/2	Voriconazole VO 1 µg

MIC Test Strip

CODE	DESCRIPTION
92018	Amikacin AK 0.016-256 mg/L
920180	Amikacin AK 0.016-256 mg/L
920181	Amikacin AK 0.016-256 mg/L
920210	Amoxicillin AmL 0.016-256 mg/L
92021	Amoxicillin AmL 0.016-256 mg/L
920211	Amoxicillin AmL 0.016-256 mg/L
921800	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L
921801	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L

CODE	DESCRIPTION
92180	Amoxicillin* - clavulanic acid (2 mg/L) AMC 0.016-256* mg/L 30 MICTest
92024	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L
920240	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L
920241	Amoxicillin* - clavulanic acid (2/1) AUG 0.016-256* mg/L
92153	Amphotericin B AMB 0.002-32 mg/L
921531	Amphotericin B AMB 0.002-32 mg/L
921530	Amphotericin B AMB 0.002-32 mg/L 100 MICTest
920030	Ampicillin AMP 0.016-256 mg/L
920031	Ampicillin AMP 0.016-256 mg/L
92003	Ampicillin AMP 0.016-256 mg/L
92027	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L
920270	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L
920271	Ampicillin* - sulbactam (2/1) AMS 0.016-256* mg/L
92181	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L
921810	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L
921811	Ampicillin* - sulbactam (4 mg/L) SAM 0.016-256* mg/L
92155	Anidulafungin AND 0.002-32 mg/L
921551	Anidulafungin AND 0.002-32 mg/L
921550	Anidulafungin AND 0.002-32 mg/L 100 Test
92030	Azithromycin AZM 0.016-256 mg/L
920300	Azithromycin AZM 0.016-256 mg/L
920301	Azithromycin AZM 0.016-256 mg/L
92033	Aztreonam ATM 0.016-256 mg/L
920330	Aztreonam ATM 0.016-256 mg/L
920331	Aztreonam ATM 0.016-256 mg/L
92173	Aztreonam ATM 0.064-1024 mg/L
921730	Aztreonam ATM 0.064-1024 mg/L
921731	Aztreonam ATM 0.064-1024 mg/L
92019	Bacitracin BA 0.016-256 mg/L
920190	Bacitracin BA 0.016-256 mg/L
920191	Bacitracin BA 0.016-256 mg/L
92154	Caspofungin CAS 0.002-32 mg/L
921541	Caspofungin CAS 0.002-32 mg/L
921540	Caspofungin CAS 0.002-32 mg/L
920360	Cefaclor CEC 0.016-256 mg/L
92036	Cefaclor CEC 0.016-256 mg/L
920361	Cefaclor CEC 0.016-256 mg/L
92174	Cefazolin KZ 0.016-256 mg/L
921740	Cefazolin KZ 0.016-256 mg/L
921741	Cefazolin KZ 0.016-256 mg/L
92127	Cefepime FEP 0.002-32 mg/L
921270	Cefepime FEP 0.002-32 mg/L
921271	Cefepime FEP 0.002-32 mg/L
92126	Cefepime FEP 0.016-256 mg/L
921260	Cefepime FEP 0.016-256 mg/L
921261	Cefepime FEP 0.016-256 mg/L
92161	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L
921610	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L

CODE	DESCRIPTION
921611	Cefepime/Cefepime + Clavulanic acid (4 mg/L) FEP/FEL 0.25-16 / 0.064-4 mg/L
92067	Cefiderocol FDC 0,016-256 mg/L
920671	Cefiderocol FDC 0,016-256 mg/L
920670	Cefiderocol FDC 0,016-256 mg/L
92060	Cefixime CFM 0.016-256 mg/L
920601	Cefixime CFM 0.016-256 mg/L
920600	Cefixime CFM 0.016-256 mg/L
92023	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L
920230	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L
920231	Cefoperazone* - sulbactam (2/1) CPS 0.016-256* mg/L
92007	Cefotaxime CTX 0.002-32 mg/L
920070	Cefotaxime CTX 0.002-32 mg/L
920071	Cefotaxime CTX 0.002-32 mg/L
920061	Cefotaxime CTX 0.016-256 mg/L
92006	Cefotaxime CTX 0.016-256 mg/L
920060	Cefotaxime CTX 0.016-256 mg/L
92160	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L
921600	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L
921601	Cefotaxime/Cefotaxime + Clavulanic acid (4 mg/L) CTX/CTL 0.25-16/0.016-1 mg/L
920200	Cefotetan CTT 0.016-256 mg/L
920201	Cefotetan CTT 0.016-256 mg/L
92020	Cefotetan CTT 0.016-256 mg/L
92164	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L
921641	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L
921640	Cefotetan/Cefotetan + Cloxacillin CTT/CXT 0.5-32/0.5-32 mg/L
92066	Cefoxitin FOX 0.016-256 mg/L
920660	Cefoxitin FOX 0.016-256 mg/L
920661	Cefoxitin FOX 0.016-256 mg/L
92008	Cefpirome CR 0.016-256 mg/L
920080	Cefpirome CR 0.016-256 mg/L
920081	Cefpirome CR 0.016-256 mg/L
920050	Cefpodoxime PX 0.016-256 mg/L
92005	Cefpodoxime PX 0.016-256 mg/L
920051	Cefpodoxime PX 0.016-256 mg/L
920560	Ceftaroline CPT 0.002-32 mg/L
920561	Ceftaroline CPT 0.002-32 mg/L
92056	Ceftaroline CPT 0.002-32 mg/L
92049	Ceftaroline CPT 0.016-256 mg/L
920491	Ceftaroline CPT 0.016-256 mg/L
920490	Ceftaroline CPT 0.016-256 mg/L
92138	Ceftazidime CAZ 0.016-256 mg/L
921380	Ceftazidime CAZ 0.016-256 mg/L
921381	Ceftazidime CAZ 0.016-256 mg/L
92139	Ceftazidime*- avibactam CZA 0.016/4-256/4 mg/L
921390	Ceftazidime*- avibactam CZA 0.016/4-256/4 mg/L
921391	Ceftazidime*- avibactam CZA 0.016/4-256/4 mg/L
92159	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L
921590	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L

CODE	DESCRIPTION
921591	Ceftazidime/Ceftazidime + Clavulanic acid (4 mg/L) CAZ/CAL 0.5-32/0.064-4 mg/L
92058	Ceftibuten CTB 0.002-32 mg/L
920580	Ceftibuten CTB 0.002-32 mg/L
920581	Ceftibuten CTB 0.002-32 mg/L
920160	Ceftizoxime CZX 0.016-256 mg/L
920161	Ceftizoxime CZX 0.016-256 mg/L
92016	Ceftizoxime CZX 0.016-256 mg/L
92140	Ceftobiprole BPR 0.002-32 mg/L
921400	Ceftobiprole BPR 0.002-32 mg/L
921401	Ceftobiprole BPR 0.002-32 mg/L
92146	Ceftolozane-Tazobactam C/T 0.016/4-256/4 mg/L
921460	Ceftolozane-Tazobactam C/T 0.016/4-256/4 mg/L
921461	Ceftolozane-Tazobactam C/T 0.016/4-256/4 mg/L
920430	Ceftriaxone CRO 0.002-32 mg/L
92043	Ceftriaxone CRO 0.002-32 mg/L
920431	Ceftriaxone CRO 0.002-32 mg/L
92042	Ceftriaxone CRO 0.016-256 mg/L
920420	Ceftriaxone CRO 0.016-256 mg/L
920421	Ceftriaxone CRO 0.016-256 mg/L
921290	Cefuroxime CXM 0.016-256 mg/L
92129	Cefuroxime CXM 0.016-256 mg/L
921291	Cefuroxime CXM 0.016-256 mg/L
92039	Cephalothin KF 0.016-256 mg/L
920391	Cephalothin KF 0.016-256 mg/L
920390	Cephalothin KF 0.016-256 mg/L 0.016-256
92075	Chloramphenicol C 0.016-256 mg/L
920750	Chloramphenicol C 0.016-256 mg/L
920751	Chloramphenicol C 0.016-256 mg/L
92045	Ciprofloxacin CIP 0.002-32 mg/L
920450	Ciprofloxacin CIP 0.002-32 mg/L
920451	Ciprofloxacin CIP 0.002-32 mg/L
92048	Clarithromycin CLR 0.016-256 mg/L
920480	Clarithromycin CLR 0.016-256 mg/L
920481	Clarithromycin CLR 0.016-256 mg/L
92072	Clindamycin CD 0.016-256 mg/L
920720	Clindamycin CD 0.016-256 mg/L
920721	Clindamycin CD 0.016-256 mg/L
920440	Cloxacillin CX 0.016-256 mg/L
920441	Cloxacillin CX 0.016-256 mg/L
92044	Cloxacillin CX 0.016-256 mg/L
92141	Colistin CS 0.016-256 mg/L
921411	Colistin CS 0.016-256 mg/L
921410	Colistin CS 0.016-256 mg/L
921420	Colistin CS 0.064-1024 mg/L
921421	Colistin CS 0.064-1024 mg/L
92142	Colistin CS 0.064-1024 mg/L
92137	Dalbavancin DAL 0.002-32 mg/L
921370	Dalbavancin DAL 0.002-32 mg/L
921371	Dalbavancin DAL 0.002-32 mg/L
921451	Daptomycin DAP 0.016-256 mg/L
92145	Daptomycin DAP 0.016-256 mg/L
921450	Daptomycin DAP 0.016-256 mg/L
92080	Delafloxacin DLX 0.002-32 mg/L
920800	Delafloxacin DLX 0.002-32 mg/L
920801	Delafloxacin DLX 0.002-32 mg/L
92040	Doripenem DOR 0.002-32 mg/L
920401	Doripenem DOR 0.002-32 mg/L

CODE	DESCRIPTION
920400	Doripenem DOR 0.002-32 mg/L
92156	Doxycycline DXT 0.016-256 mg/L
921560	Doxycycline DXT 0.016-256 mg/L
921561	Doxycycline DXT 0.016-256 mg/L
920130	Enrofloxacin ENR 0.002-32 mg/L
92013	Enrofloxacin ENR 0.002-32 mg/L
920131	Enrofloxacin ENR 0.002-32 mg/L
92104	Eravacycline ERV 0.002-32 mg/L
921040	Eravacycline ERV 0.002-32 mg/L
921041	Eravacycline ERV 0.002-32 mg/L
921570	Ertapenem ETP 0.002-32 mg/L
92157	Ertapenem ETP 0.002-32 mg/L
921571	Ertapenem ETP 0.002-32 mg/L
92169	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L
921690	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L
921691	Ertapenem/Ertapenem + Cloxacillin ETP/ECX 0.125-8/ 0.032-2 mg/L
92168	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L
921680	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L
921681	Ertapenem/Ertapenem + Phenylboronic acid ETP/EBO 0.125-8/0.032-2 mg/L
92051	Erythromycin E 0.016-256 mg/L
920511	Erythromycin E 0.016-256 mg/L
920510	Erythromycin E 0.016-256 mg/L
92170	Ethambutol EB 0.016-256 mg/L
921701	Ethambutol EB 0.016-256 mg/L
921700	Ethambutol EB 0.016-256 mg/L
92172	Ethionamide ET 0.016-256 mg/L
921720	Ethionamide ET 0.016-256 mg/L
921721	Ethionamide ET 0.016-256 mg/L
92147	Fluconazole FLU 0.016-256 mg/L
921470	Fluconazole FLU 0.016-256 mg/L
921471	Fluconazole FLU 0.016-256 mg/L
92149	Flucytosine FC 0.002-32 mg/L
921490	Flucytosine FC 0.002-32 mg/L
921491	Flucytosine FC 0.002-32 mg/L
92078	Fosfomicin FOS 0.016-256 mg/L
920780	Fosfomicin FOS 0.016-256 mg/L
920781	Fosfomicin FOS 0.016-256 mg/L
92079	Fosfomicin FOS 0.064-1024 mg/L
920790	Fosfomicin FOS 0.064-1024 mg/L
920791	Fosfomicin FOS 0.064-1024 mg/L
920500	Fosmidomycin FOM 0.016-256 mg/L
920501	Fosmidomycin FOM 0.016-256 mg/L
92050	Fosmidomycin FOM 0.016-256 mg/L
92002	Fusidic acid FU 0.016-256 mg/L
920020	Fusidic acid FU 0.016-256 mg/L
920021	Fusidic acid FU 0.016-256 mg/L
920110	Gatifloxacin GAT 0.002-32 mg/L
920111	Gatifloxacin GAT 0.002-32 mg/L
92011	Gatifloxacin GAT 0.002-32 mg/L
92035	Gemifloxacin GEM 0.002-32 mg/L
920350	Gemifloxacin GEM 0.002-32 mg/L
920351	Gemifloxacin GEM 0.002-32 mg/L
92009	Gentamicin CN 0.016-256 mg/L

CODE	DESCRIPTION
920090	Gentamicin CN 0.016-256 mg/L
920091	Gentamicin CN 0.016-256 mg/L
920100	Gentamicin CN 0.064-1024 mg/L
920101	Gentamicin CN 0.064-1024 mg/L
92010	Gentamicin CN 0.064-1024 mg/L
92054	Imipenem IMI 0.002-32 mg/L
920541	Imipenem IMI 0.002-32 mg/L
920540	Imipenem IMI 0.002-32 mg/L
92068	Imipenem IMI 0.016-256 mg/L
920680	Imipenem IMI 0.016-256 mg/L
920681	Imipenem IMI 0.016-256 mg/L
92166	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L
921660	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L
921661	Imipenem/Imipenem + EDTA IMI/IMD 0.125-8/0.032-2 mg/L
92162	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L
921620	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L
921621	Imipenem/Imipenem + EDTA IMI/IMD 4-256/1-64 mg/L
92076	Imipenem-relebactam I/R 0.002/4-32/4
920760	Imipenem-relebactam I/R 0.002/4-32/4
920761	Imipenem-relebactam I/R 0.002/4-32/4
92184	Isavuconazole IVU 0.002-32 mg/L
921840	Isavuconazole IVU 0.002-32 mg/L
921841	Isavuconazole IVU 0.002-32 mg/L
92171	Isoniazide IZ 0.016-256 mg/L
921710	Isoniazide IZ 0.016-256 mg/L
921711	Isoniazide IZ 0.016-256 mg/L
92148	Itraconazole ITC 0.002-32 mg/L
921480	Itraconazole ITC 0.002-32 mg/L
921481	Itraconazole ITC 0.002-32 mg/L
92034	Kanamycin K 0.016-256 mg/L
920340	Kanamycin K 0.016-256 mg/L
920341	Kanamycin K 0.016-256 mg/L
921510	Ketoconazole KE 0.002-32 mg/L
921511	Ketoconazole KE 0.002-32 mg/L
92151	Ketoconazole KE 0.002-32 mg/L
92064	Lefamulin LMU 0,016-256 mg/L
920641	Lefamulin LMU 0,016-256 mg/L
920640	Lefamulin LMU 0,016-256 mg/L
920810	Levofloxacin LEV 0.002-32 mg/L
920811	Levofloxacin LEV 0.002-32 mg/L
92081	Levofloxacin LEV 0.002-32 mg/L
921350	Linezolid LNZ 0.016-256 mg/L
921351	Linezolid LNZ 0.016-256 mg/L
92135	Linezolid LNZ 0.016-256 mg/L
920170	Mecillinam MEC 0.016-256 mg/L
92017	Mecillinam MEC 0.016-256 mg/L
920171	Mecillinam MEC 0.016-256 mg/L
92084	Meropenem MRP 0.002-32 mg/L
920841	Meropenem MRP 0.002-32 mg/L
920840	Meropenem MRP 0.002-32 mg/L
92085	Meropenem MRP 0.016-256 mg/L
920850	Meropenem MRP 0.016-256 mg/L
920851	Meropenem MRP 0.016-256 mg/L

CODE	DESCRIPTION
92165	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L
921650	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L
921651	Meropenem/Meropenem + EDTA MRP/MRD 0.125-8/0.032-2 mg/L
92167	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L
921670	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L
921671	Meropenem/Meropenem + Phenylboronic acid MRP/MBO 0.125-8/0.032-2 mg/L
92074	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L
920740	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L
920741	Meropenem-vaborbactam (8 mg/L) M/V 0.016-256mg/L
92087	Metronidazole MTZ 0.016-256 mg/L
920870	Metronidazole MTZ 0.016-256 mg/L
920871	Metronidazole MTZ 0.016-256 mg/L
921820	Micafungin MYC 0.002-32 mg/L
921821	Micafungin MYC 0.002-32 mg/L
92182	Micafungin MYC 0.002-32 mg/L
92032	Minocycline MN 0.016-256 mg/L
920321	Minocycline MN 0.016-256 mg/L
920320	Minocycline MN 0.016-256 mg/L
92090	Moxifloxacin MXF 0.002-32 mg/L
920900	Moxifloxacin MXF 0.002-32 mg/L
920901	Moxifloxacin MXF 0.002-32 mg/L
920380	Mupirocin MUP 0.064-1024 mg/L
92038	Mupirocin MUP 0.064-1024 mg/L
920381	Mupirocin MUP 0.064-1024 mg/L
92132	Nalidixic acid NA 0.016-256 mg/L
921320	Nalidixic acid NA 0.016-256 mg/L
921321	Nalidixic acid NA 0.016-256 mg/L
92093	Netilmicin NET 0.016-256 mg/L
920930	Netilmicin NET 0.016-256 mg/L
920931	Netilmicin NET 0.016-256 mg/L
920220	Nitrofurantoin F 0.032-512 mg/L
92022	Nitrofurantoin F 0.032-512 mg/L
920221	Nitrofurantoin F 0.032-512 mg/L
920960	Norfloxacin NOR 0.016-256 mg/L
920961	Norfloxacin NOR 0.016-256 mg/L
92096	Norfloxacin NOR 0.016-256 mg/L
920990	Ofloxacin OFX 0.002-32 mg/L
92099	Ofloxacin OFX 0.002-32 mg/L
920991	Ofloxacin OFX 0.002-32 mg/L
92071	Omadacycline OMC 0.002-32 mg/L
920710	Omadacycline OMC 0.002-32 mg/L
920711	Omadacycline OMC 0.002-32 mg/L
92015	Oxacillin OX 0.016-256 mg/L
920150	Oxacillin OX 0.016-256 mg/L
920151	Oxacillin OX 0.016-256 mg/L
92041	Pefloxacin PEF 0.016-256 mg/L
920410	Pefloxacin PEF 0.016-256 mg/L
920411	Pefloxacin PEF 0.016-256 mg/L
92103	Penicillin G P 0.002-32 mg/L
921030	Penicillin G P 0.002-32 mg/L
921031	Penicillin G P 0.002-32 mg/L

CODE	DESCRIPTION
921020	Penicillin G P 0.016-256 mg/L
92102	Penicillin G P 0.016-256 mg/L
921021	Penicillin G P 0.016-256 mg/L
92105	Piperacillin PIP 0.016-256 mg/L
921050	Piperacillin PIP 0.016-256 mg/L
921051	Piperacillin PIP 0.016-256 mg/L
921080	Piperacillin* - tazobactam TZP 0.016-256* mg/L
921081	Piperacillin* - tazobactam TZP 0.016-256* mg/L
92108	Piperacillin* - tazobactam TZP 0.016-256* mg/L
92070	Plazomicin PLZ 0.016-256 mg/L
920700	Plazomicin PLZ 0.016-256 mg/L
920701	Plazomicin PLZ 0.016-256 mg/L
92004	Polymyxin B PB 0.064-1024 mg/L
920041	Polymyxin B PB 0.064-1024 mg/L
920040	Polymyxin B PB 0.064-1024 mg/L
92152	Posaconazole POS 0.002-32 mg/L
921520	Posaconazole POS 0.002-32 mg/L
921521	Posaconazole POS 0.002-32 mg/L
92026	Quinupristin-dalfopristin QDA 0.002-32 mg/L
920260	Quinupristin-dalfopristin QDA 0.002-32 mg/L
920261	Quinupristin-dalfopristin QDA 0.002-32 mg/L
920010	Rifampicin RD 0.002-32 mg/L
920011	Rifampicin RD 0.002-32 mg/L
92001	Rifampicin RD 0.002-32 mg/L
92025	Rifampicin RD 0.016-256 mg/L
920250	Rifampicin RD 0.016-256 mg/L
920251	Rifampicin RD 0.016-256 mg/L
92014	Spectinomycin SPC 0.064-1024 mg/L
920140	Spectinomycin SPC 0.064-1024 mg/L
920141	Spectinomycin SPC 0.064-1024 mg/L
920460	Spiramycin SP 0.002-32 mg/L
920461	Spiramycin SP 0.002-32 mg/L
92046	Spiramycin SP 0.002-32 mg/L
92112	Streptomycin S 0.016-256 mg/L
921120	Streptomycin S 0.016-256 mg/L
921121	Streptomycin S 0.016-256 mg/L
92111	Streptomycin S 0.064-1024 mg/L
921110	Streptomycin S 0.064-1024 mg/L
921111	Streptomycin S 0.064-1024 mg/L
92028	Sulbactam SUL 0.016-256 mg/L
920280	Sulbactam SUL 0.016-256 mg/L
920281	Sulbactam SUL 0.016-256 mg/L
920310	Sulfamethoxazole SMX 0.064-1024 mg/L
920311	Sulfamethoxazole SMX 0.064-1024 mg/L
92031	Sulfamethoxazole SMX 0.064-1024 mg/L
921360	Tedizolid TZD 0.002-32 mg/L
921361	Tedizolid TZD 0.002-32 mg/L
92136	Tedizolid TZD 0.002-32 mg/L
920120	Teicoplanin TEC 0.016-256 mg/L
920121	Teicoplanin TEC 0.016-256 mg/L
92012	Teicoplanin TEC 0.016-256 mg/L
920520	Telavancin TLV 0.002-32 mg/L
92052	Telavancin TLV 0.002-32 mg/L
920521	Telavancin TLV 0.002-32 mg/L
92053	Telavancin TLV 0.016-256 mg/L
920530	Telavancin TLV 0.016-256 mg/L
920531	Telavancin TLV 0.016-256 mg/L
92029	Temocillin TMO 0.064-1024 mg/L

CODE	DESCRIPTION
920290	Temocillin TMO 0.064-1024 mg/L
920291	Temocillin TMO 0.064-1024 mg/L
92114	Tetracycline TE 0.016-256 mg/L
921140	Tetracycline TE 0.016-256 mg/L
921141	Tetracycline TE 0.016-256 mg/L
92200	Tiamulin TIA 0.002-32 mg/L
922000	Tiamulin TIA 0.002-32 mg/L
922001	Tiamulin TIA 0.002-32 mg/L
92183	Ticarcillin TC 0.016-256 mg/L
921830	Ticarcillin TC 0.016-256 mg/L
921831	Ticarcillin TC 0.016-256 mg/L
92117	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L
921170	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L
921171	Ticarcillin* - clavulanic acid TTC 0.016-256* mg/L
92144	Tigecycline TGC 0.016-256 mg/L
921440	Tigecycline TGC 0.016-256 mg/L
921441	Tigecycline TGC 0.016-256 mg/L
92201	Tilmicosin TIL 0.002-32 mg/L
922010	Tilmicosin TIL 0.002-32 mg/L
922011	Tilmicosin TIL 0.002-32 mg/L
92121	Tobramycin TOB 0.016-256 mg/L
921210	Tobramycin TOB 0.016-256 mg/L
921211	Tobramycin TOB 0.016-256 mg/L
921200	Tobramycin TOB 0.064-1024 mg/L
921201	Tobramycin TOB 0.064-1024 mg/L
92120	Tobramycin TOB 0.064-1024 mg/L
92037	Trimethoprim TM 0.002-32 mg/L
920370	Trimethoprim TM 0.002-32 mg/L
920371	Trimethoprim TM 0.002-32 mg/L
92123	Trimethoprim* - sulfamethoxazole (1/19) SXT 0.002-32* mg/L
921230	Trimethoprim*-sulfamethoxazole (1/19) SXT 0.002-32* mg/L
921231	Trimethoprim*-sulfamethoxazole (1/19) SXT 0.002-32* mg/L
920570	Vancomycin VA 0.016-256 mg/L
92057	Vancomycin VA 0.016-256 mg/L
920571	Vancomycin VA 0.016-256 mg/L
92163	Vancomycin//Teicoplanin VA/TEC 0.5-32/0.5-32 mg/L
921630	Vancomycin//Teicoplanin VA/TEC 0.5-32/0.5-32 mg/L
921631	Vancomycin//Teicoplanin VA/TEC 0.5-32/0.5-32 mg/L
921500	Voriconazole VO 0.002-32 mg/L
921501	Voriconazole VO 0.002-32 mg/L
92150	Voriconazole VO 0.002-32 mg/L
RID plates	
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

CODE	DESCRIPTION
93012	Easy Rid h-Antitrombin III
93013	Easy Rid h-Ig Light Chain K
93014	Easy Rid h-Ig Light Chain Lambda
93015	Easy Rid h-Alfa 1 Antitrypsin
93016	Easy Rid h-Ceruloplasmin
93018	Easy Rid 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	Bence Jones Test
940010	Rid Control Serum

Multodiscs

CODE	DESCRIPTION
95270	Multodisc Acinetobacter
95200	Multodisc Anaerobes
95220	Multodisc Enterobacteria 1
95240	Multodisc Enterobacteria 2
95230	Multodisc Enterobacteria Urine
95210	Multodisc Enterococci
95250	Multodisc Pseudomonas
95260	Multodisc Staph
95290	Multodisc Strepto
95280	Multodisc Yeasts

Bacterial suspension - rapid Kit

CODE	DESCRIPTION
96001	Salmonella typhi H Macro
96002	Salmonella typhi O Macro
96003	Salmonella paratyphi AH Macro
96004	Salmonella paratyphi AO Macro
96005	Salmonella paratyphi BH Macro
96006	Salmonella paratyphi BO Macro
96007	Brucella Totale Macro
96008	Brucella abortus Macro
96009	Salmonella typhi A Totale Macro
96010	Salmonella paratyphi A Totale Macro
96011	Proteus OX2 Macro
96012	Proteus OXK Macro
96013	Proteus OX19 Macro
96015	Febrile Multitest Kit
96016	Strep-Check Kit
96017	Staph Latex Kit
96018	Salmonella paratyphi B Totale Macro
96019	Salmonella paratyphi CH Macro
96020	Salmonella paratyphi CO Macro
96021	Salmonella paratyphi B Totale Macro

CODE	DESCRIPTION
96022	Brucella melitensis Macro
96023	Brucella suis Macro
96031	Salmonella typhi H Slide
96032	Salmonella typhi O Slide
96033	Salmonella typhi Totale Slide
96034	Salmonella paratyphi AH Slide
96035	Salmonella paratyphi AO Slide
96036	Salmonella paratyphi A Totale Slide
96037	Salmonella paratyphi BH Slide
96038	Salmonella paratyphi BO Slide
96039	Salmonella paratyphi B Totale Slide
96040	Salmonella paratyphi CH Slide
96041	Salmonella paratyphi CO Slide
96042	Salmonella paratyphi C Totale Slide
96043	Brucella Totale Slide
96044	Brucella abortus Slide
96045	Brucella melitensis Slide
96046	Brucella Bengal Rose Slide
96047	Proteus OX2 Slide
96048	Proteus OXK Slide
96049	Proteus OX19 Slide
96093	Negative Control
96096	Positive Control for Salmonella
96097	Positive Control for Proteus
96098	Positive Control for Brucella
96142	Legionella Latex Kit
96143	Campylobacter 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
96316	Clostridium difficile GDH Card
96317	Clostridium difficile Toxin A+B Card
96318	Giardia Card
96319	Listeria Monocytogenes Card
96320	Salmonella Ag Card
96415/20	Fecal Occult Blood Card
96418	Strepto A Card
96441	Gonorrhea Ag Card
96442	Gardnerella Vaginalis Card
96443	Trichomonas Vaginalis Card
97800	One Step Rotavirus Card
97801	RSV Stick One Step
97802	One Step Rota-Adenovirus Combo Panel
97803	Helicobacter pylori Antigen Card
97807	One Step Adenovirus Test

DICHIARAZIONE DI CONFORMITÀ “UE” PER DISPOSITIVI MEDICO-DIAGNOSTICI IN VITRO

Nome e indirizzo Fabbricante	Liofilchem® S.r.l., Via Scozia, 64026 Roseto degli Abruzzi (TE) - Italy
SRN (Numero di Registrazione Unico)	IT-MF-000026495
Classificazione in accordo alle regole riportate nell'Allegato VIII	Classe A
UDI-DI di base/Nome/Codice dispositivo(i)	Vedi tabella n°1
Destinazione d'Uso:	La destinazione d'uso di ciascun dispositivo elencato in Tabella n°1 (inclusi eventuali riferimenti a SC) è riportata nella specifica Dichiarazione di Conformità UE redatta in accordo all'Allegato IV del Regolamento (UE) 2017/746

Questa dichiarazione di conformità è rilasciata sotto la sola responsabilità di Liofilchem S.r.l.
Con la presente dichiariamo che i dispositivi medici-diagnostici in vitro riportati in Tabella n°1 soddisfano le disposizioni del Regolamento (UE) 2017/746 per i dispositivi medici-diagnostici in vitro. Tutta la documentazione di supporto è conservata presso la sede del produttore

EU DECLARATION OF CONFORMITY FOR IN VITRO DIAGNOSTIC MEDICAL DEVICES

Manufacturers Name/Address:	Liofilchem® S.r.l., Via Scozia, 64026 Roseto degli Abruzzi (TE) - Italy
SRN (Single Registration Number):	IT-MF-000026495
Classification in accordance with the rules set out in Annex VIII:	Class A
Basic UDI-DI/Name/Code(s)	See Table no.1
Intended Purpose:	The intended purpose of each device listed in Table no. 1 (included any references to CS) is indicated in the specific EU Declaration of Conformity drawn up according to Annex IV of Regulation (EU) 2017/746

This declaration of conformity is issued under the sole responsibility of Liofilchem S.r.l.
We hereby declare that the in vitro diagnostic medical device specified above meet the provision of the Regulation (EU) 2017/746 for in vitro diagnostic medical devices.
All supporting documentation is retained at the premises of the manufacturer.

Roseto degli Abruzzi (TE),
13.10.2022

Signature:



Technical Director
(Dr. Silvio Brocco)

LIOFILCHEM s.r.l.
BACTERIOLOGY PRODUCTS
Via Scozia
64026 Roseto degli Abruzzi (TE)
Cod. Fisc. e Partita IVA 00530130673

Table no.1

CODE	DESCRIPTION	BASIC UDI-DI
90 mm agar plates		
11041	Azide Agar (Sheep Blood 5%)	805518287AZAVF
10020	Baird Parker Agar	805518287BPAL8
10021	Biggy (Nickerson) Agar	805518287BIGGYAE3
10142	Blood Agar (Sheep Blood 7%)	805518287BLOAEN
10353	Bordet Gengou Agar (Sheep Blood 15%)	805518287BOGAED
10060	Brain Heart Infusion Agar	805518287BHAKG
10022	Brilliant Green Agar	805518287BGAKE
10245	Brucella Blood Agar w Hemin and Vitamin K1	805518287BRALE
11506	Burkholderia cepacia Selective Agar (BCSA)	805518287BCSADM
10148	Campylobacter Agar (Sheep Blood 10%)	805518287CAMBA9M
10050	Campylobacter Agar (Sheep Blood 5%)	805518287CAMACY
10050*	Campylobacter Agar (Sheep Blood 5%)	805518287CAMACY
10145	Campylobacter Karmali Agar	805518287CAMKAAG
10602	Campylobacter Skirrow Agar	805518287CSALN
10079	Casitone Agar	805518287CASADJ
10033	Cetrimide Agar	805518287CETAE9
10023	Chocolate Agar	805518287CHAKM
10023*	Chocolate Agar	805518287CHAKM
11023	Chocolate Bacitracin Agar	805518287CBAK3
11611	Chromatic Detection	805518287CHRDETFD
11610	Chromatic E.coli O157	805518287CHRECO157BF
11618	Chromatic MH	805518287CHRMHDE
11614	Chromatic Salmonella	805518287CHRSALGU
11616	Chromatic Staph aureus	805518287CHRSADJ
11633	Chromatic Vibrio	805518287CHRVFU
10026	CLED Agar	805518287CLAKZ
10004	CLED Andrade Agar	805518287CAAJY
11060	Clostridium Agar (Sheep Blood 5%)	805518287CLOAEV
10025	Columbia Agar (Horse Blood 5%)	805518287COLAHCV
11025	Columbia Agar (Sheep Blood 5%)	805518287COLASDK
11025*	Columbia Agar (Sheep Blood 5%)	805518287COLASDK
11024	Columbia CNA Agar (Sheep Blood 5%)	805518287CNAL7
11024*	Columbia CNA Agar (Sheep Blood 5%)	805518287CNAL7
11124	Columbia CNA Mod Agar (Sheep Blood 5%)	805518287CNAMEM
11507	Corn Meal Agar	805518287CMAL4
10017	Czapek Dox Agar	805518287CDAK9
11052	Dermatophyte (DTM) Agar	805518287DTMMN
10013	DNase Test Agar	805518287DNTAFV
10018	Drigalski Lactose Agar	805518287DLAL6
10048	EMB Levine Agar	805518287EMBLG
11501	Enterococcus Agar w Vancomycin	805518287ENTWVANCG7
11057	Enterococco Agar	805518287ENTAG4
10062	Fastidious Anaerobe Agar	805518287FAAKF
11054	Gardnerella Agar (Sheep Blood 5%)	805518287GARAEB
10080	Haemophilus Test Agar	805518287HTAMJ
10043	Hektoen Enteric Agar	805518287HEAL5
10043*	Hektoen Enteric Agar	805518287HEAL5
10082	Helicobacter pylori Agar	805518287HPAM6
10028	IsoSensitest Agar	805518287ISTNS
10128	Legionella Agar (GVPC)	805518287GVPCJH
10448	Legionella BCYE + AB Agar	805518287BCYEABDF
10051	Legionella BCYE Agar	805518287BCYEEF
10051*	Legionella BCYE Agar	805518287BCYEEF
10424	Legionella BCYE Agar w Vancomycin + Colistin	805518287BCYEVCFG
10412	Legionella BCYE Agar w/o Cysteine	805518287LW/OCYSR6

CODE	DESCRIPTION	BASIC UDI-DI
10041	Listeria Palcam Agar	805518287LPAMS
10029	MacConkey Agar	805518287MCALQ
10029*	MacConkey Agar	805518287MCALQ
11508	MacConkey Agar w/o NaCl	805518287MCAW/ONACL54
10603	MacConkey Agar no.2	805518287MCIADJ
10129	MacConkey Mug Agar	805518287MCMMG
11514	MacConkey S-CT Agar E.coli O157	805518287MCSCTAHZ
10005	MacConkey Sorbitol Agar	805518287MCSMU
10030	Mannitol Salt Agar	805518287MSAN8
10030*	Mannitol Salt Agar	805518287MSAN8
10416	Middlebrook 7H11 Agar	805518287MB7H118E
10335	Mueller Hinton Chocolate Agar	805518287MHCAFB
10132	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L beta-NAD)	805518287MHFAFL
10031	Mueller Hinton II Agar	805518287MHIIAEM
10031*	Mueller Hinton II Agar	805518287MHIIAEM
10131	Mueller Hinton II Agar (Sheep Blood 5%)	805518287MHII2SGH
11206	Mueller Hinton II Agar + 2% NaCl	805518287MHNAGC
11205	Mycoplasma Agar	805518287MYANS
11070	Mycosel Agar	805518287MYCAHY
10620	O.A. Listeria Agar	805518287OALAFH
11200	PAR Test Agar	805518287PTANS
11033	Pseudomonas Isolation Agar	805518287PIAMR
10014	Purple Lactose Agar	805518287PLAN2
10039	Rogosa Agar	805518287ROGAHV
11509	RPMI Agar	805518287RPMIAJQ
11335	Sabouraud Agar + Gentamicin	805518287SGAN2
11135	Sabouraud Agar Modified	805518287SAMN8
11236	Sabouraud CAF + Actidione Agar	805518287SCAFAE3
11035	Sabouraud CAF Agar	805518287SCAMN
10235	Sabouraud CAF Agar + Gentamicin	805518287SCGEGG
10035	Sabouraud Dextrose Agar	805518287SDAMR
10425	Scedosporium Selective Agar	805518287SCESELAST
10405	Schaedler CNA Agar (Sheep Blood 5%)	805518287SCHCNAHG
11065	Schaedler K Agar (Sheep Blood 5%)	805518287SKANE
10065	Schaedler KKV Agar (Sheep Blood 5%)	805518287SKKVK6
10046	Serum Tellurite Agar	805518287STAP9
11196	SPS Agar	805518287SPSPZ
10036	SS Agar	805518287SSAP6
11195	TCBS AGAR	805518287TCBSH4
11040	Thayer Martin Agar	805518287TMANR
11250	Tinsdale Agar	805518287TINAJ2
10037	Tryptic Soy Agar	805518287TSAPB
11037	Tryptic Soy Agar (Sheep Blood 5%)	805518287TSSQF
10407	Vancomycin Screen Agar	805518287VSAPM
10054	Wurtz Lactose Agar	805518287WLAP5
10056	XLD Agar	805518287XLDPG
10413	XLD Agar EP, USP, JP Formulation	805518287XLDPKD
10069	XLT4 Agar	805518287XLT4K7
10052	Yersinia Selective Agar	805518287YSAQ4
2 sector agar plates		
CODE	DESCRIPTION	BASIC UDI-DI
18500	Baird Parker / MacConkey	805518287BP/MCAAB
18390	Baird Parker / Sabouraud CAF	805518287BP/SCAB9
18015	Biggy (Nickerson) / Malt	805518287BIGGY/MALTZJ
18012	Brilliant Green / SS	805518287BG/SSA9N
18702	CDC Anaerobic / CDC w Kanamycin - Vancomycin	805518287CDCA/CDCKVAYK

CODE	DESCRIPTION	BASIC UDI-DI
18703	Chocolate Agar /Thayer Martin	805518287CHOC/TMAV9
18008	Chromatic Detection / TSA Blood	805518287CHRDET/TSS88
18009	Chromatic Salmonella/Hektoen Enteric	805518287CHRSALM/HEA3E
18502	CLED / MacConkey	805518287CL/MCA9C
18507	Columbia CNA / Chocolate	805518287CNA/CHAD3
18422	Columbia CNA / Gardnerella	805518287CNA/GARANR
18327	Columbia CNA / MacConkey	805518287CNA/MCAE6
18595	DTM / Sabouraud	805518287DTM/SABN3
18020	EMB Levine / TSA Blood	805518287EMB/TSSJV
18379	Gardnerella / Thayer Martin	805518287GAR/TMAJV
18503	Hektoen Enteric / SS Agar	805518287HE/SSABE
18391	Hektoen Enteric / Yersinia Selective	805518287HE/YSACC
18505	MacConkey / SS	805518287MC/SSACR
18380	MacConkey / TSA Blood	805518287MC/TSSE2
18025	Schaedler K / Schaedler KKV	805518287SK/SKKVQZ
120 mm agar plates		
CODE	DESCRIPTION	BASIC UDI-DI
12031	Mueller Hinton II Agar	805518287MHIIAEM
12032	Mueller Hinton II Agar (Sheep Blood 5%)	805518287MHII2SGH
140 mm agar plates		
CODE	DESCRIPTION	BASIC UDI-DI
10224	Baird Parker Agar	805518287BPAL8
10246	Chromatic MH	805518287CHRMHDE
11132	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L beta-NAD)	805518287MHFAFL
10231	Mueller Hinton II Agar	805518287MHIIAEM
10249	Purple Lactose Agar	805518287PLAN2
10233	RPMI Agar	805518287RPMIAJQ
Tubes - Bottles		
CODE	DESCRIPTION	BASIC UDI-DI
401990	Alkaline Peptone Water	805518287BALKPWDK
24100	Alkaline Peptone Water	805518287TALKPWL V
442350	Biggy (Nickerson) Agar	805518287BBIGNAB3
30091	Biggy (Nickerson) Agar	805518287TBIGNAJD
24120	Bile Aesculin Broth	805518287TBILABHZ
30084	Brain Heart Infusion Agar	805518287TBRAHIATN
412010	Brain Heart Infusion Broth	805518287BBRAHIBJ6
24104	Brain Heart Infusion Broth	805518287TBRAHIBTQ
24141	Brain Heart Infusion Broth	805518287TBRAHIBTQ
24480	Brain Heart Infusion Broth	805518287TBRAHIBTQ
26104	Brain Heart Infusion Broth	805518287TBRAHIBTQ
27502	Brain Heart Infusion Broth	805518287TBRAHIBTQ
413030	Campylobacter Agar	805518287BCAMA8V
24404	Campylobacter Broth	805518287TCAMBF5
470290	Cary Blair Transport Medium	805518287BCARBTMH8
402270	Cetrimide Agar	805518287BCETAA6
412270	Cetrimide Agar	805518287BCETAA6
442220	Chocolate Agar	805518287BCHOOA6
470120	Chocolate Agar	805518287BCHOOA6
30099	Chocolate Agar	805518287TCHOAGC
412100	Christensen Urea Agar	805518287BCHRUADK
30081	Christensen Urea Agar	805518287TCHRUALV
481130	Chromatic Detection	805518287BCHRDAM
482190	Chromatic E.coli O157	805518287BCHRECOJM
481140	Chromatic Salmonella	805518287BCHRSBK

CODE	DESCRIPTION	BASIC UDI-DI
481160	Chromatic Staph aureus	805518287BCHRSADD
402180	CLED Agar	805518287BCLEA9U
412180	CLED Agar	805518287BCLEA9U
470110	CLED Agar	805518287BCLEA9U
452210	Columbia Agar Base	805518287BCOLABCC
24071	Cooked Meat Medium	805518287TCOOMMMX
402200	Dermatophyte (DTM) Agar	805518287BDERDABN
33086	Dermatophyte (DTM) Agar	805518287TDERDAJY
402220	Drigalski Lactose Agar	805518287BDRILADU
402350	EMB Levine Agar	805518287BEMBLAD3
21241	Fluid Thioglycollate Medium	805518287TFLUTMPW
24241	Fluid Thioglycollate Medium	805518287TFLUTMPW
24124	Fluid Thioglycollate Medium	805518287TFLUTMPW
26124	Fluid Thioglycollate Medium	805518287TFLUTMPW
20105	Glucose Broth	805518287TGLUBJG
24105	Glucose Broth	805518287TGLUBJG
26105	Glucose broth	805518287TGLUBJG
414070	GN Hajna Broth	805518287BGNHBBDD
24119	GN Hajna Broth	805518287TGNHBHKK
24091	Haemophilus Test Broth	805518287THAETBJZ
402230	Hektoen Enteric Agar	805518287BHEKEAC2
412230	Hektoen Enteric Agar	805518287BHEKEAC2
20090	Helicobacter pylori Test	805518287THELPTMQ
30087	Kligler Iron Agar	805518287TKLIIAMY
30116	Loeffler Medium	805518287TLOEMK8
34127/1	Lowenstein Jensen + Amikacin 40 µg/ml	805518287LJAMIKACINAU
34127	Lowenstein Jensen + Amikacin 5 µg/ml	805518287LJAMIKACINAU
34138/1	Lowenstein Jensen + Capreomycin 10 µg/ml	805518287LJCAPREOMYCINGV
34138/3	Lowenstein Jensen + Capreomycin 20 µg/ml	805518287LJCAPREOMYCINGV
35090	Lowenstein Jensen + Capreomycin 30 µg/ml	805518287LJCAPREOMYCINGV
34138/4	Lowenstein Jensen + Capreomycin 30 µg/ml	805518287LJCAPREOMYCINGV
34138/2	Lowenstein Jensen + Capreomycin 40 µg/ml	805518287LJCAPREOMYCINGV
34131/2	Lowenstein Jensen + Clarithromycin 32 µg/ml	805518287LJCLARITHROMYCVM
34131/1	Lowenstein Jensen + Clarithromycin 4 µg/ml	805518287LJCLARITHROMYCVM
34139/2	Lowenstein Jensen + Clofazimine 10 µg/ml	805518287LJCLOFAZIMINEJ7
34139/1	Lowenstein Jensen + Clofazimine 5 µg/ml	805518287LJCLOFAZIMINEJ7
34137/2	Lowenstein Jensen + Cycloserine 10 µg/ml	805518287LJCYCLOSERINEV8
34137/3	Lowenstein Jensen + Cycloserine 20 µg/ml	805518287LJCYCLOSERINEV8
34137/1	Lowenstein Jensen + Cycloserine 30 µg/ml	805518287LJCYCLOSERINEV8
34137/4	Lowenstein Jensen + Cycloserine 40 µg/ml	805518287LJCYCLOSERINEV8
34137/5	Lowenstein Jensen + Cycloserine 50 µg/ml	805518287LJCYCLOSERINEV8
34126/6	Lowenstein Jensen + Ethambutol 10 µg/ml	805518287LJETHAMBUTOLCQ
34126/4	Lowenstein Jensen + Ethambutol 1 µg/ml	805518287LJETHAMBUTOLCQ
35030	Lowenstein Jensen + Ethambutol 2 µg/ml	805518287LJETHAMBUTOLCQ
34126/1	Lowenstein Jensen + Ethambutol 2 µg/ml	805518287LJETHAMBUTOLCQ
34126/5	Lowenstein Jensen + Ethambutol 3 µg/ml	805518287LJETHAMBUTOLCQ
34126/2	Lowenstein Jensen + Ethambutol 4 µg/ml	805518287LJETHAMBUTOLCQ
34126/3	Lowenstein Jensen + Ethambutol 5 µg/ml	805518287LJETHAMBUTOLCQ
34132/1	Lowenstein Jensen + Ethionamide 10 µg/ml	805518287LJETHIONAMIDENZ
35040	Lowenstein Jensen + Ethionamide 20 µg/ml	805518287LJETHIONAMIDENZ
34132/2	Lowenstein Jensen + Ethionamide 20 µg/ml	805518287LJETHIONAMIDENZ
35041	Lowenstein Jensen + Ethionamide 30 µg/ml	805518287LJETHIONAMIDENZ
34132/3	Lowenstein Jensen + Ethionamide 30 µg/ml	805518287LJETHIONAMIDENZ
34132/4	Lowenstein Jensen + Ethionamide 40 µg/ml	805518287LJETHIONAMIDENZ
34123	Lowenstein Jensen + Isoniazid 0.1 µg/ml	805518287LJISONIAZIDMF
35001	Lowenstein Jensen + Isoniazid 0.20 µg/ml	805518287LJISONIAZIDMF
34123/1	Lowenstein Jensen + Isoniazid 0.2 µg/ml	805518287LJISONIAZIDMF

CODE	DESCRIPTION	BASIC UDI-DI
35002	Lowenstein Jensen + Isoniazid 1 µg/ml	805518287LJISONIAZIDMF
34123/4	Lowenstein Jensen + Isoniazid 10 µg/ml	805518287LJISONIAZIDMF
34123/2	Lowenstein Jensen + Isoniazid 1 µg/ml	805518287LJISONIAZIDMF
34123/3	Lowenstein Jensen + Isoniazid 5 µg/ml	805518287LJISONIAZIDMF
34143/1	Lowenstein Jensen + Kanamycin 10 µg/ml	805518287LJKANAMYCINA2
35060	Lowenstein Jensen + Kanamycin 20 µg/ml	805518287LJKANAMYCINA2
34143/2	Lowenstein Jensen + Kanamycin 20 µg/ml	805518287LJKANAMYCINA2
35061	Lowenstein Jensen + Kanamycin 30 µg/ml	805518287LJKANAMYCINA2
34143/3	Lowenstein Jensen + Kanamycin 30 µg/ml	805518287LJKANAMYCINA2
34146/1	Lowenstein Jensen + Levofloxacin 2 µg/ml	805518287LJLEVOFLOXACINBN
34135/1	Lowenstein Jensen + Nicotinamide 10 µg/ml	805518287LJNICOTINAMIDEZG
34135/2	Lowenstein Jensen + Nicotinamide 20 µg/ml	805518287LJNICOTINAMIDEZG
34135/3	Lowenstein Jensen + Nicotinamide 30 µg/ml	805518287LJNICOTINAMIDEZG
34128/2	Lowenstein Jensen + Ofloxacin 10 µg/ml	805518287LJOFLOXACINK2
34128/5	Lowenstein Jensen + Ofloxacin 20 µg/ml	805518287LJOFLOXACINK2
34128/3	Lowenstein Jensen + Ofloxacin 25 µg/ml	805518287LJOFLOXACINK2
35080	Lowenstein Jensen + Ofloxacin 2 µg/ml	805518287LJOFLOXACINK2
34128/4	Lowenstein Jensen + Ofloxacin 2 µg/ml	805518287LJOFLOXACINK2
34128/1	Lowenstein Jensen + Ofloxacin 5 µg/ml	805518287LJOFLOXACINK2
34145	Lowenstein Jensen + PACT	805518287LJPACTJM
34129/4	Lowenstein Jensen + PAS 0.1 µg/ml	805518287LJPASG7
34129/3	Lowenstein Jensen + PAS 0.5 µg/ml	805518287LJPASG7
34129/2	Lowenstein Jensen + PAS 10 µg/ml	805518287LJPASG7
35070	Lowenstein Jensen + PAS 1 µg/ml	805518287LJPASG7
34129/1	Lowenstein Jensen + PAS 1 µg/ml	805518287LJPASG7
34129/5	Lowenstein Jensen + PAS 5 µg/ml	805518287LJPASG7
34136	Lowenstein Jensen + Pefloxacin 2 µg/ml	805518287LJPEFLOXACINHG
35147	Lowenstein Jensen + PNB 500 µg/ml	805518287LJPNBGC
34124/2	Lowenstein Jensen + Pyrazinamide 15 µg/ml	805518287LJPYRAZINAMIDESG
35050	Lowenstein Jensen + Pyrazinamide 1 µg/ml	805518287LJPYRAZINAMIDESG
34124/4	Lowenstein Jensen + Pyrazinamide 200 µg/ml	805518287LJPYRAZINAMIDESG
34124/3	Lowenstein Jensen + Pyrazinamide 20 µg/ml	805518287LJPYRAZINAMIDESG
34124/1	Lowenstein Jensen + Pyrazinamide 5 µg/ml	805518287LJPYRAZINAMIDESG
34144	Lowenstein Jensen + Pyruvate 0.2%	805518287LJPYRUVATE63
34130/1	Lowenstein Jensen + Rifabutin 10 µg/ml	805518287LJRIFABUTINDK
34130/2	Lowenstein Jensen + Rifabutin 30 µg/ml	805518287LJRIFABUTINDK
34130/3	Lowenstein Jensen + Rifabutin 50 µg/ml	805518287LJRIFABUTINDK
34121/2	Lowenstein Jensen + Rifampicin 10 µg/ml	805518287LJRIFAMPICINEH
34121	Lowenstein Jensen + Rifampicin 15 µg/ml	805518287LJRIFAMPICINEH
34121/6	Lowenstein Jensen + Rifampicin 20 µg/ml	805518287LJRIFAMPICINEH
34121/3	Lowenstein Jensen + Rifampicin 25 µg/ml	805518287LJRIFAMPICINEH
35010	Lowenstein Jensen + Rifampicin 40 µg/ml	805518287LJRIFAMPICINEH
34121/5	Lowenstein Jensen + Rifampicin 40 µg/ml	805518287LJRIFAMPICINEH
34121/4	Lowenstein Jensen + Rifampicin 50 µg/ml	805518287LJRIFAMPICINEH
34121/1	Lowenstein Jensen + Rifampicin 5 µg/ml	805518287LJRIFAMPICINEH
34122	Lowenstein Jensen + Rifapentin 9 µg/ml	805518287LJRIFAPENTINFP
35021	Lowenstein Jensen + Streptomycin 10 µg/ml	805518287LJSTREPTOMYCIN38
34125/2	Lowenstein Jensen + Streptomycin 10 µg/ml	805518287LJSTREPTOMYCIN38
34125/3	Lowenstein Jensen + Streptomycin 25 µg/ml	805518287LJSTREPTOMYCIN38
34125/4	Lowenstein Jensen + Streptomycin 2 µg/ml	805518287LJSTREPTOMYCIN38
35020	Lowenstein Jensen + Streptomycin 4 µg/ml	805518287LJSTREPTOMYCIN38
34125/1	Lowenstein Jensen + Streptomycin 4 µg/ml	805518287LJSTREPTOMYCIN38
34125/5	Lowenstein Jensen + Streptomycin 50 µg/ml	805518287LJSTREPTOMYCIN38
35148	Lowenstein Jensen + TCH 2 µg/ml	805518287LJTCHGB
30118	Lowenstein Jensen Medium	805518287TLOWJMRZ
31118	Lowenstein Jensen Medium	805518287TLOWJMRZ
35000	Lowenstein Jensen Medium	805518287TLOWJMRZ

CODE	DESCRIPTION	BASIC UDI-DI
30119	Lowenstein Jensen Medium w/o Glycerol	805518287TLOWJMW/OG4B
412040	Lysine Iron Agar	805518287BLYSIAKE
30098	Lysine Iron Agar	805518287TLYSIAEQ
402240	MacConkey Agar	805518287BMACAA5
412240	MacConkey Agar	805518287BMACAA5
470090	MacConkey Agar	805518287BMACAA5
402290	Mannitol Salt Agar	805518287BMSAF7
412290	Mannitol Salt Agar	805518287BMSAF7
470080	Mannitol Salt Agar	805518287BMSAF7
30368	Middlebrook 7H10 Agar	805518287TMID7H10AG8
37001	Middlebrook 7H11 + Amikacin 2 µg/ml	8055182877H11AMIKACIN62
37002	Middlebrook 7H11 + Amikacin 4 µg/ml	8055182877H11AMIKACIN62
37056	Middlebrook 7H11 + Cycloserine 30 µg/ml	8055182877H11CYCLOSERINK6
37006	Middlebrook 7H11 + Ethambutol 7.5 µg/ml	8055182877H11ETHAMBUTOLC4
37011	Middlebrook 7H11 + Ethionamide 10 µg/ml	8055182877H11ETHIONAMIDER
37016	Middlebrook 7H11 + Isoniazid 0.2 µg/ml	8055182877H11ISONIAZIDKH
37017	Middlebrook 7H11 + Isoniazid 1 µg/ml	8055182877H11ISONIAZIDKH
37051	Middlebrook 7H11 + Ofloxacin 8 µg/ml	8055182877H11OFLOXACINH4
37026	Middlebrook 7H11 + PAS 8 µg/ml	8055182877H11PAS2K
37031	Middlebrook 7H11 + Pyrazinamide 25 µg/ml	8055182877H11PYRAZINAMI2H
37036	Middlebrook 7H11 + Rifabutin 1 µg/ml	8055182877H11RIFABUTINBM
37041	Middlebrook 7H11 + Rifampicin 1 µg/ml	8055182877H11RIFAMPICINDV
37046	Middlebrook 7H11 + Streptomycin 2 µg/ml	8055182877H11STREPTOMYC6B
37000	Middlebrook 7H11 Agar	805518287TMID7H114E
24436	Middlebrook 7H9 Broth	805518287TMID7H9B66
31204	MIU Agar	805518287TMIUAK9
23002	Mueller Hinton Broth w/ horse blood	805518287TMHBWLBX8
27507	Mueller Hinton Fastidious Broth	805518287TMUEHFBZT
21105	Mueller Hinton Fastidious Broth	805518287TMUEHFBZT
402250	Mueller Hinton II Agar	805518287BMHIIAEG
412250	Mueller Hinton II Agar	805518287BMHIIAEG
470070	Mueller Hinton II Agar	805518287BMHIIAEG
402020	Mueller Hinton II Broth	805518287BMUEHIIIB5R
24107	Mueller Hinton II Broth	805518287TMUEHIIIBGF
402030	Muller Kauffmann Broth	805518287BMULKBJ2
24108	Muller Kauffmann Broth	805518287TMULKBRC
20162	Mycoplasma Selective Broth	805518287TMYCSBRK
20158	Mycoplasma Transport Broth	805518287TMYCTBRN
402000	Nutrient Broth	805518287BNUTBF5
24103	Nutrient Broth	805518287TNUTBMB
26103	Nutrient Broth	805518287TNUTBMB
27503	Nutrient Broth	805518287TNUTBMB
30117	Pergola Medium	805518287TPERMKR
412170	Phenylalanine Agar	805518287BPHEAC3
30085	Phenylalanine agar	805518287TPHEAJ9
463200	Physiological Solution	805518287BPHYSF3
471120	Physiological Solution	805518287BPHYSF3
473000	Physiological Solution	805518287BPHYSF3
20079	Physiological Solution	805518287TPHYSM9
20095	Physiological Solution	805518287TPHYSM9
20196	Physiological Solution	805518287TPHYSM9
20197	Physiological Solution	805518287TPHYSM9
24142	Physiological Solution	805518287TPHYSM9
26196	Physiological Solution	805518287TPHYSM9
412130	Pseudomonas Agar Base	805518287BPSABDG
24450	Rappaport Broth w/o Soy	805518287RAPBW/OS6T
24400	Rappaport Vassiliadis Soy (RVS) Broth	805518287TRAPVSB2V

CODE	DESCRIPTION	BASIC UDI-DI
26400	Rappaport Vassiliadis Soy (RVS) Broth	805518287TRAPVSB2V
24461	RPMI Broth	805518287TRPMBLR
442280	Sabouraud Agar Modified	805518287BSABAMDW
30024	Sabouraud CAF + Actidione Agar	805518287TSABCAATE
31024	Sabouraud CAF + Actidione Agar	805518287TSABCAATE
402370	Sabouraud CAF Agar	805518287BSABCADC
412370	Sabouraud CAF Agar	805518287BSABCADC
31023	Sabouraud CAF Agar	805518287TSABCALN
402280	Sabouraud dextrose Agar	805518287BSABDADF
412280	Sabouraud Dextrose Agar	805518287BSABDADF
452280	Sabouraud Dextrose Agar	805518287BSABDADF
470040	Sabouraud Dextrose Agar	805518287BSABDADF
30093	Sabouraud Dextrose Agar	805518287TSABDALR
402040	Sabouraud Dextrose Broth	805518287BSABDBDH
471070	Sabouraud Dextrose Broth	805518287BSABDBDH
24109	Sabouraud Dextrose Broth	805518287TSABDBLT
452040	Sabouraud Dextrose Broth (screw cap)	805518287BSABDBDH
24430	Schaedler Broth	805518287TSCHBJG
402050	Selenite Broth	805518287BSELBCY
412050	Selenite Broth	805518287BSELBCY
463130	Selenite Broth	805518287BSELBCY
470020	Selenite Broth	805518287BSELBCY
24110	Selenite Broth	805518287TSELBK6
24143	Selenite Broth	805518287TSELBK6
26110	Selenite Broth	805518287TSELBK6
403050	SIM Medium	805518287BSIMMED
24479	SIM Medium	805518287TSIMMLK
26095	SIM Medium	805518287TSIMMLK
412030	Simmons Citrate Agar	805518287BSIMCAGT
30011	Simmons Citrate Agar	805518287TSIMCAQ5
401930	SPS Agar	805518287BSPSAFA
442490	SPS Agar	805518287BSPSAFA
33065	SPS Agar	805518287TSPSAMG
402300	SS Agar	805518287BSSAG5
412300	SS Agar	805518287BSSAG5
24412	Streptococcus Broth	805518287TSTREBTK
403140	TCBS Agar	805518287BTCBABV
30022	TCBS Agar	805518287TTCBSK7
24451	Tetrathionate Broth	805518287TTETBL5
33040	Thayer Martin Agar	805518287TTHAMAPB
20171	Thioglycollate Medium w Vit.K1 & Hemin	805518287TTHIMWVK&H3F
412060	Todd Hewitt Broth	805518287BTODHBHL
24111	Todd Hewitt Broth	805518287TTODHBQW
27501	Todd Hewitt Broth	805518287TTODHBQW
24145	Todd Hewitt Broth w/ Colistin/Nalidixic acid	805518287TTODHBWCAVS
24115	Trichomonas Broth	805518287TTRIBM5
24494	Trichomonas Broth	805518287TTRIBM5
432290	Tryptic Soy Agar	805518287BTRYSANH
442290	Tryptic Soy Agar	805518287BTRYSANH
452290	Tryptic Soy Agar	805518287BTRYSANH
470010	Tryptic Soy Agar	805518287BTRYSANH
30082	Tryptic Soy Agar	805518287TTRYSA9C
26475	Tryptic Soy Agar	805518287TTRYSAVT
24469	Tryptic Soy Broth	805518287TTRYSBVV
24513	Tryptic Soy Broth	805518287TTRYSBVV
26513	Tryptic Soy Broth	805518287TTRYSBVV
27500	Tryptic Soy Broth	805518287TTRYSBVV

CODE	DESCRIPTION	BASIC UDI-DI
453030	Tryptic Soy Broth (flip-off cap)	805518287BTRYSENK
432080	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
442080	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
452080	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
452100	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
455208	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
470370	Tryptic Soy Broth (screw cap)	805518287BTRYSENK
452080S	Tryptic Soy Broth (triple wrapped and gamma-irradiated)	805518287BTRYSENK
400030	Tryptic Soy Broth EP, USP (flip-off cap)	805518287BTRYSENK
401980	Tryptone Water	805518287BTRYWHR
24136	Tryptone Water	805518287TTRYWPX
402320	Tryptose Agar	805518287BTRYAGD
30097	Tryptose Agar	805518287TTRYANK
24112	Tryptose Broth	805518287TTRYBNM
455209	Tryptose Phosphate Broth (screw cap)	805518287BTRYPBNA
30096	TSI Agar	805518287TTSIAM8
24416	Urea Broth	805518287TUREBLY
403060	Urea Indole Broth	805518287BUREIBJU
20340	Vagitube	805518287TVAGK8
442300	Wurtz Lactose Agar	805518287BWURLANF
402570	XLD Agar	805518287BXLDAEC
24432	Yersinia Broth	805518287TYERBM2

VTM

CODE	DESCRIPTION	BASIC UDI-DI
26490	VTM	805518287TVTMMD

Dehydrated culture media

CODE	DESCRIPTION	BASIC UDI-DI
610098	Alkaline Peptone Water	805518287610098MX
620098	Alkaline Peptone Water	805518287610098MX
610191	Amies Transport Medium (w/o Charcoal)	805518287610191MN
620191	Amies Transport Medium (w/o Charcoal)	805518287610191MN
610152	Amies Transport Medium + Charcoal	805518287610152MC
620152	Amies Transport Medium + Charcoal	805518287610152MC
6101525	Amies Transport Medium + Charcoal	805518287610152MC
610118	Andrade Lactose Peptone Water	805518287610118MC
610306	Arginine Decarboxylase Broth	805518287610305MD
610153	Azide Blood Agar Base	805518287610153ME
620153	Azide Blood Agar Base	805518287610153ME
610135	Biggy (Nickerson) Agar	805518287610135MC
620135	Biggy (Nickerson) Agar	805518287610135MC
620005	Blood Agar Base	805518287610005LQ
610005	Blood Agar Base	805518287610005LW
6100055	Blood Agar Base	805518287610005LW
610188	Blood Agar Base No.2	805518287610188MZ
620188	Blood Agar Base No.2	805518287610188MZ
6101885	Blood Agar Base No.2	805518287610188MZ
610006	Bordet Gengou Agar Base	805518287610006LY
610007	Brain Heart Infusion Agar	805518287610007M2
620007	Brain Heart Infusion Agar	805518287610007M2
6100075	Brain Heart Infusion Agar	805518287610007M2
610008	Brain Heart Infusion Broth	805518287610008M4
620008	Brain Heart Infusion Broth	805518287610008M4
6100085	Brain Heart Infusion Broth	805518287610008M4
610009	Brilliant Green Agar	805518287610009M6
620009	Brilliant Green Agar	805518287610009M6

CODE	DESCRIPTION	BASIC UDI-DI
610079	Brucella Agar Base	805518287610079MT
620079	Brucella Agar Base	805518287610079MT
611007	Campylobacter Agar Base	805518287611007M9
621007	Campylobacter Agar Base	805518287611007M9
610130	Campylobacter Blood Free Medium Base	805518287610130M2
610200	Campylobacter Karmali Agar Base	805518287610200LW
620200	Campylobacter Karmali Agar Base	805518287610200LW
611402	Cary Blair Transport Medium	805518287611402MK
621402	Cary Blair Transport Medium	805518287611402MK
610041	Cetrimide Agar	805518287610041M2
620041	Cetrimide Agar	805518287610041M2
6100415	Cetrimide Agar	805518287610041M2
610612	Chromatic Detection	805518287610612MR
620612	Chromatic Detection	805518287610612MR
6106125	Chromatic Detection	805518287610612MR
620614	Chromatic E. coli O157	805518287610614MV
610614	Chromatic E.coli O157	805518287610614MV
611618	Chromatic MH	805518287611618NC
621618	Chromatic MH	805518287611618NC
610611	Chromatic Salmonella	805518287610611MP
620611	Chromatic Salmonella	805518287610611MP
610616	Chromatic Staph aureus	805518287610616MZ
620616	Chromatic Staph aureus	805518287610616MZ
610633	Chromatic Vibrio	805518287610633MZ
610012	CLED Agar	805518287610012LT
620012	CLED Agar	805518287610012LT
6100125	CLED Agar	805518287610012LT
610112	CLED Andrade Agar	805518287610112LY
620112	CLED Andrade Agar	805518287610112LY
610056	Clostridium Broth	805518287610056MF
620056	Clostridium Broth	805518287610056MF
6100565	Clostridium Broth	805518287610056MF
610115	Clostridium difficile Agar Base	805518287610115M6
620115	Clostridium difficile Agar Base	805518287610115M6
610013	Columbia Agar Base	805518287610013LV
620013	Columbia Agar Base	805518287610013LV
6100135	Columbia Agar Base	805518287610013LV
610113	Columbia CNA Agar Base	805518287610113M2
610372	Cooked Meat Medium	805518287610372MU
610123	Corn Meal Agar	805518287610123M5
620123	Corn Meal Agar	805518287610123M5
610095	Czapek Dox Agar	805518287610095MR
620095	Czapek Dox Agar	805518287610095MR
610072	Czapek Dox Broth	805518287610072MD
610160	Dermatophyte (DTM) Agar	805518287610160MB
620160	Dermatophyte (DTM) Agar	805518287610160MB
610015	Desoxycholate Citrate Agar	805518287610015LZ
620015	Desoxycholate Citrate Agar	805518287610015LZ
610002	Dextrose Agar	805518287610002LQ
610161	Dextrose Broth	805518287610161MD
620161	Dextrose Broth	805518287610161MD
610205	DNase Test Agar	805518287610205M8
620205	DNase Test Agar	805518287610205M8
610016	Drigalski Lactose Agar	805518287610016M3
620016	Drigalski Lactose Agar	805518287610016M3
610019	EMB Levine Agar	805518287610019M9
620019	EMB Levine Agar	805518287610019M9

CODE	DESCRIPTION	BASIC UDI-DI
610022	GC Medium	805518287610022LW
620022	GC Medium	805518287610022LW
610163	GN Hajna Broth	805518287610163MH
610021	Hektoen Enteric Agar	805518287610021LU
620021	Hektoen Enteric Agar	805518287610021LU
6100215	Hektoen Enteric Agar	805518287610021LU
610164	Herellea Agar	805518287610164MK
6101645	Herellea Agar	805518287610164MK
611265	IsoSensitest Agar	805518287611265MZ
621265	IsoSensitest Agar	805518287611265MZ
610023	Kligler Iron Agar	805518287610023LY
620023	Kligler Iron Agar	805518287610023LY
6100235	Kligler Iron Agar	805518287610023LY
610165	Koser Citrate Medium	805518287610165MM
610049	Legionella BCYE Agar Base	805518287610049MJ
620049	Legionella BCYE Agar Base	805518287610049MJ
610125	Legionella CYE Agar Base	805518287610125M9
620125	Legionella CYE Agar Base	805518287610125M9
610168	Listeria Palcam Agar	805518287610168MT
620168	Listeria Palcam Agar	805518287610168MT
610143	Liver Broth	805518287610143MB
610026	Lowenstein Jensen Medium	805518287610026M6
620026	Lowenstein Jensen Medium	805518287610026M6
610027	Lysine Iron Agar	805518287610027M8
620027	Lysine Iron Agar	805518287610027M8
610028	MacConkey Agar	805518287610028MA
620028	MacConkey Agar	805518287610028MA
6100285	MacConkey Agar	805518287610028MA
610057	MacConkey Agar no.2	805518287610057MH
610128	MacConkey Agar w/o Bile Salt	805518287610128MF
610195	MacConkey Agar w/o Crystal Violet	805518287610195MW
620195	MacConkey Agar w/o Crystal Violet	805518287610195MW
610223	MacConkey Agar w/o Salt	805518287610223MA
610170	MacConkey Mug Agar	805518287610170ME
6101705	MacConkey Mug Agar	805518287610170ME
610108	MacConkey Sorbitol Agar	805518287610108M9
620108	MacConkey Sorbitol Agar	805518287610108M9
610172	Malonate Broth	805518287610172MJ
620172	Malonate Broth	805518287610172MJ
610235	Mannitol Motility Test Medium	805518287610235MH
620235	Mannitol Motility Test Medium	805518287610235MH
610029	Mannitol Salt Agar	805518287610029MC
620029	Mannitol Salt Agar	805518287610029MC
6100295	Mannitol Salt Agar	805518287610029MC
611022	Middlebrook 7H10 Agar Base	805518287611022M5
610213	Middlebrook 7H11 Agar Base	805518287610213M7
610214	Middlebrook 7H9 Broth Base	805518287610214M9
611020	Mitis Salivarius Agar	805518287611020LZ
6110205	Mitis Salivarius Agar	805518287611020LZ
610236	Motility Indole Urea Agar (MIU)	805518287610236MK
610627	Mueller Hinton II Agar	805518287610627N6
620627	Mueller Hinton II Agar	805518287610627N6
6106275	Mueller Hinton II Agar	805518287610627N6
610218	Mueller Hinton II Broth	805518287610218MH
620218	Mueller Hinton II Broth	805518287610218MH
610035	Muller Kauffmann Broth	805518287610035M7
620035	Muller Kauffmann Broth	805518287610035M7

CODE	DESCRIPTION	BASIC UDI-DI
610037	Nutrient Broth	805518287610037MB
620037	Nutrient Broth	805518287610037MB
6100375	Nutrient Broth	805518287610037MB
610305	Ornithine Decarboxylase Broth	805518287610245ML
610308	Phenol Red Agar Base	805518287610306MF
610174	Phenol Red Broth Base	805518287610174MN
620174	Phenol Red Broth Base	805518287610174MN
610039	Phenylalanine Agar	805518287610039MF
620039	Phenylalanine Agar	805518287610039MF
610071	Pseudomonas Agar Base	805518287610071MB
620071	Pseudomonas Agar Base	805518287610071MB
610309	Pseudomonas Agar F	805518287610308MK
620309	Pseudomonas Agar F	805518287610308MK
610310	Pseudomonas Agar P	805518287610309MM
610044	Purple Lactose Agar	805518287610044M8
620044	Purple Lactose Agar	805518287610044M8
610175	Rappaport Vassiliadis Soy (RVS) Broth	805518287610175MQ
620175	Rappaport Vassiliadis Soy (RVS) Broth	805518287610175MQ
610096	Reinforced Clostridial Agar	805518287610096MT
620096	Reinforced Clostridial Agar	805518287610096MT
610176	Rogosa Agar	805518287610176MS
620176	Rogosa Agar	805518287610176MS
610177	Rogosa Broth	805518287610177MU
620177	Rogosa Broth	805518287610177MU
611203	Sabouraud CAF (1 g/L) Agar	805518287611203MB
610625	Sabouraud CAF (50 mg/L) Agar	805518287610625N2
610179	Sabouraud CAF + Actidione Agar	805518287610179MY
620179	Sabouraud CAF + Actidione Agar	805518287610179MY
610203	Sabouraud CAF Agar	805518287610203M4
620203	Sabouraud CAF Agar	805518287610203M4
6102035	Sabouraud CAF Agar	805518287610203M4
610103	Sabouraud Dextrose Agar	805518287610103LX
620103	Sabouraud Dextrose Agar	805518287610103LX
6101035	Sabouraud Dextrose Agar	805518287610103LX
610104	Sabouraud Dextrose Broth	805518287610104LZ
620104	Sabouraud Dextrose Broth	805518287610104LZ
610146	Sabouraud Maltose Agar	805518287610146MH
620146	Sabouraud Maltose Agar	805518287610146MH
610043	Schaedler Agar Base	805518287610043M6
620043	Schaedler Agar Base	805518287610043M6
610137	Schaedler Broth	805518287610137MG
620137	Schaedler Broth	805518287610137MG
610145	Selenite Broth	805518287610145MF
620145	Selenite Broth	805518287610145MF
6101455	Selenite Broth	805518287610145MF
610181	SIM Medium	805518287610181MK
620181	SIM Medium	805518287610181MK
610046	Simmons Citrate Agar	805518287610046MC
620046	Simmons Citrate Agar	805518287610046MC
6100465	Simmons Citrate Agar	805518287610046MC
610148	SPS Agar	805518287610148MM
620148	SPS Agar	805518287610148MM
610042	SS Agar (Modified)	805518287610042M4
620042	SS Agar (Modified)	805518287610042M4
6100425	SS Agar (Modified)	805518287610042M4
611366	Staphylococcus 110 Agar	805518287611366N8
612203	Streptococcus Broth	805518287612203MJ

CODE	DESCRIPTION	BASIC UDI-DI
610182	Stuart Transport Medium	805518287610182MM
620182	Stuart Transport Medium	805518287610182MM
6101825	Stuart Transport Medium	805518287610182MM
611010	TCBS Agar	805518287611010LW
621010	TCBS Agar	805518287611010LW
610183	Tetrathionate Broth Base	805518287610183MP
620183	Tetrathionate Broth Base	805518287610183MP
610051	Todd Hewitt Broth	805518287610051M5
620051	Todd Hewitt Broth	805518287610051M5
6100515	Todd Hewitt Broth	805518287610051M5
610061	Trichomonas Broth	805518287610061M8
620061	Trichomonas Broth	805518287610061M8
610185	Tryptic (CTA) Medium	805518287610185MT
620185	Tryptic (CTA) Medium	805518287610185MT
610052	Tryptic Soy Agar	805518287610052M7
620052	Tryptic Soy Agar	805518287610052M7
6100525	Tryptic Soy Agar	805518287610052M7
610053	Tryptic Soy Broth	805518287610053M9
620053	Tryptic Soy Broth	805518287610053M9
6100535	Tryptic Soy Broth	805518287610053M9
610206	Tryptone Water	805518287610206MA
620206	Tryptone Water	805518287610206MA
610197	Tryptophan Broth	805518287610197N2
620197	Tryptophan Broth	805518287610197N2
610193	Tryptose Agar	805518287610193MS
620193	Tryptose Agar	805518287610193MS
610233	Tryptose Broth	805518287610233MD
610055	TSI Agar	805518287610055MD
620055	TSI Agar	805518287610055MD
6100555	TSI Agar	805518287610055MD
610107	Urea Agar Base (Christensen)	805518287610107M7
620107	Urea Agar Base (Christensen)	805518287610107M7
6101075	Urea Agar Base (Christensen)	805518287610107M7
610311	Urea Broth	805518287610310M6
620311	Urea Broth	805518287610310M6
610080	Wort Broth w/o NaCl	805518287610080MC
610060	XLD Agar	805518287610060M6
620060	XLD Agar	805518287610060M6
6100605	XLD Agar	805518287610060M6
610092	XLT4 Agar	805518287610092MK
620092	XLT4 Agar	805518287610092MK
610111	Yersinia Selective Agar Base	805518287610111LW
620111	Yersinia Selective Agar Base	805518287610111LW
Supplements		
81013	Bordetella supplement	805518287000008JB
81003	Brucella supplement	805518287000009JD
81051	Campylobacter Blaser Wang supplement	805518287000010HW
81015	Campylobacter Butzler supplement	805518287000011HY
81037	Campylobacter CCDA supplement	805518287000013J4
81038	Campylobacter CTVN supplement	805518287000012J2
81050	Campylobacter Growth supplement	805518287000014J6
81036	Campylobacter Karmali supplement	805518287000015J8
81004	Campylobacter Preston supplement	805518287000016JA
81055	Campylobacter Skirrow supplement	805518287000017JC
81082	Cefixime tellurite supplement	805518287000018JE
81017	Chloramphenicol supplement	805518287000019JG

CODE	DESCRIPTION	BASIC UDI-DI
81102	Chromatic Salmonella Selective supplement	805518287000024J9
81085	Chromatic Staph aureus supplement	805518287000025JB
81007	Clostridium difficile supplement	805518287000026JD
81006	CN (Pseudomonas supplement)	805518287000087JZ
81048	CNA (Staf/Strep) supplement	805518287000138JR
80060	Decontam-Kit	805518287000076JU
81025	Dermatophyte supplement	805518287000028JH
80124	Egg Yolk Emulsion	805518287000002HX
80219	Egg Yolk Emulsion	805518287000002HX
81040	Gardnerella vaginalis supplement	805518287000029JK
81033	Gentamycin supplement	805518287000030J4
81014	Haemophilus supplement	805518287000031J6
80409	Iodine solution	805518287000003HZ
81009	Iodine solution	805518287000003HZ
81012	LCAT supplement	805518287000032J8
81099	Legionella (AB) supplement	805518287000037JJ
81056	Legionella (BCYE) Growth supplement	805518287000034JC
81091	Legionella (BCYE) Growth supplement w/o L-Cysteine	805518287000033JA
81008	Legionella (GVPC) supplement	805518287000035JE
81019	Legionella (MWY) supplement	805518287000036JG
80056	Legionella Growth supplement	805518287000038JL
81026	Listeria Palcam supplement	805518287000039JN
81035	Middlebrook 7H10 (OADC) supplement	805518287000041J9
81063	Middlebrook 7H9 (ADC) supplement	805518287000042JB
81020	Mug supplement	805518287000043JD
80047	Muller Kauffmann (Iodio/B.G. 0.1%) supplement	805518287000004J3
81032	ONPG 1.5% supplement	805518287000044JF
81093	Pseudomonas PP supplement	805518287000045JH
81054	Schaedler supplement	805518287000046JK
80110	Urea 40 % supplement	805518287000005J5
80292	Urea 40 % supplement	805518287000005J5
81041	VCAT supplement	805518287000047JM
81022	VCN supplement	805518287000048JP
81024	VCNT supplement	805518287000049JR
81023	Vitalex Growth supplement	805518287000052JE
80053	Vitamin K 1% supplement	805518287000006J7
80453	Vitamin K 1% supplement	805518287000006J7
80010	XLT4 supplement	805518287000007J9
80410	XLT4 supplement	805518287000007J9
81039	Yersinia supplement	805518287000053JG

Sugar Fermentation

CODE	DESCRIPTION	BASIC UDI-DI
88208	Adonitol Test	805518287000061JF
88209	Arabinose Test	805518287000061JF
88207	Arabitol Test	805518287000061JF
88210	Dulcitol Test	805518287000061JF
88201	Galactose Test	805518287000061JF
88202	Glucose Test	805518287000061JF
88211	Inositol Test	805518287000061JF
88212	Inulin Test	805518287000061JF
88203	Lactose Test	805518287000061JF
88213	Levulose Test	805518287000061JF
88204	Maltose Test	805518287000061JF
88214	Mannitol Test	805518287000061JF
88215	Mannose Test	805518287000061JF
88205	Raffinose Test	805518287000061JF

CODE	DESCRIPTION	BASIC UDI-DI
88216	Rhamnose Test	805518287000061JF
88217	Salicin Test	805518287000061JF
88218	Sorbitol Test	805518287000061JF
88206	Sucrose Test	805518287000061JF
88219	Trehalose Test	805518287000061JF
88220	Xylose Test	805518287000061JF
Test for Microbial ID		
CODE	DESCRIPTION	BASIC UDI-DI
88008	Aesculin Bile Test	805518287000062JH
80350	Antibiotic Test	805518287000063JK
88016	Arginine Decarboxylase Test	805518287000066JR
9502	Bacitracin Test	805518287000142JG
88033	Beta Lactamase Test	805518287000067JT
88040	C 390	805518287000068JV
88027	Camp Test-R	805518287000069JX
88021	Camp Test-S	805518287000070JG
88023	Catalase/Oxy Test	805518287000071JJ
88042	Citrate Test	805518287000072JL
88030	Coagulase Test	805518287000073JN
80299	Crystal Violet Solution	805518287000074JQ
80295	Decolourizing Solution	805518287000075JS
88006	E.coli Test	805518287000078JY
80293	Gram Color Kit	805518287000082JP
87101	Gram Color Kit Droppers	805518287000082JP
88031	Gram Test Stick	805518287000083JR
80057	H ₂ O ₂ / Catalase Reagent	805518287000084JT
87003	H ₂ O ₂ / Catalase Reagent Droppers	805518287000084JT
88013	H ₂ S Rapid Test	805518287000085JV
88007	Hippurate Test	805518287000086JX
88017	Indole Test	805518287000088K3
88032	Indole Test Stick	805518287000089K5
80380	Kinyoun Color Kit	805518287000092JS
80294	Kit Color Albert	805518287000093JU
80282	Kit May Grunwald Giemsa	805518287000094JW
80271	Kovac's Reagent	805518287000095JY
87001	Kovac's Reagent Droppers	805518287000095JY
87008	Lactophenol Cotton Blue Droppers	805518287000096K2
88010	Listeria Mono Test	805518287000099K8
80296	Lugol PVP Solution	805518287000100HY
80298	Lugol PVP Solution	805518287000100HY
88014	Lysine Decarboxylase Test	805518287000101J2
87009	Methyl Red Droppers	805518287000105JA
80277	Methylene Blue Solution	805518287000106JC
9508	Metronidazole Test	805518287000146JQ
80275	MIF Color Kit	805518287000107JE
80273	Ninhydrin 7% Reagent	805518287000108JG
88009	Nitrate Test	805518287000109JJ
88044	O129 Disc 10 ug	805518287000112J7
88043	O129 Disc 150 ug	805518287000112J7
88005	ONPG Test	805518287000110J3
88105	ONPG Test	805518287000110J3
9501	Optochine Test	805518287000141JE
88015	Ornithine Decarboxylase Test	805518287000113J9
88004	Oxidase Test Disc	805518287000114JB
88029	Oxidase Test Stick	805518287000115JD
88029N	Oxidase Test Stick	805518287000116JF

CODE	DESCRIPTION	BASIC UDI-DI
88003	Oxidase Test Swab	805518287000117JH
88034	Peptidase A Stick	805518287000118JK
88028	Peptidase A Test	805518287000119JM
80272	Phenylalanine Reagent	805518287000079K2
87004	Phenylalanine Reagent Droppers	805518287000079K2
88020	S F Rapid Test	805518287000123JC
80290	Safranin Solution	805518287000124JE
9511	Sulphonamide Test	805518287000147JS
81079	Urea-arginine screen	805518287000131JB
88011	Urea Rapid Test	805518287000130J9
88024	Urea/Indole Test	805518287000129JQ
9504	V Factor Test	805518287000144JL
9505	V+X Factor Test	805518287000145JN
80279	Vaseline Oil	805518287000001HV
87006	Vaseline Oil Droppers	805518287000001HV
80281	VP (KOH) Reagent	805518287000132JD
87007	VP (KOH) Reagent Droppers	805518287000132JD
80280	VP (NaOH) Reagent	805518287000133JF
87002	VP (NaOH) Reagent Droppers	805518287000133JF
9503	X Factor Test	805518287000143JJ
80276	Ziehl-Neelsen Color Kit	805518287000137JP
Instruments		
CODE	DESCRIPTION	BASIC UDI-DI
91203	Disc Dispenser 6 cartridges	805518287000140JC
91200	Disc Dispenser 8 cartridges	805518287000139JT
96899	Giotto 2	805518287000020HZ



Nutrient Agar ISO 16266

Medium for cultivating non-fastidious organisms and confirming *Pseudomonas aeruginosa*, according to ISO 16266.

DESCRIPTION

Nutrient Agar ISO 16266 is a medium used for the cultivation of non-fastidious organisms from water samples. This medium is formulated according to ISO 16266 for the detection and enumeration of *Pseudomonas aeruginosa* in water by the membrane filtration technique.

TYPICAL FORMULA*	(g/litre)
Peptone	5.0
Meat Extract	1.0
Yeast Extract	2.0
Sodium Chloride	5.0
Agar	15.0
Final pH 7.4 ± 0.2 at 25°C	

*Adjusted and/or supplemented as required to meet performance specifications.

METHOD PRINCIPLE

Peptone and meat extract provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Yeast extract is a source of vitamins, particularly of B-group. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent.

PREPARATION

<u>Dehydrated medium</u>	Suspend 28 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.
<u>Medium in bottles</u>	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

According to ISO 16266, transfer the membrane and presumptive *Pseudomonas aeruginosa* to the plate medium.

Incubate aerobically at 36 ± 2°C for 20-24 hours.

Alternatively, the medium can be inoculated by spread plating or direct streaking of the sample over the agar surface.

INTERPRETING RESULTS

Observe for colony growth. Confirm *P. aeruginosa* by performing the oxidase test (ref. 88029).

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.

Avoid quick temperature shifts of plated medium to prevent condensation.

SHELF LIFE

Dehydrated medium: 4 years.

Medium in bottles: 2 years.

Medium in slant tubes: 1 year.

Ready-to-use plates: 6 months.

QUALITY CONTROL

Appearance of Dehydrated Medium: Free-flowing, homogeneous, beige.

Appearance of Prepared Medium: Slightly opalescent, light amber.

Expected Cultural Response:

Control strain		Inoculum	Incubation	Specification
<i>Pseudomonas aeruginosa</i>	WDCM 00025 (ATCC 27853, NCTC 12903)	50-100 CFU	20-24 h 36 ± 1°C	Good growth
<i>Escherichia coli</i>	WDCM 00013 (ATCC 25922, NCTC 12241)			

Please refer to the actual batch related Certificate of Analysis (CoA).

WARNING AND PRECAUTIONS

For professional use only. Operators must be trained and have certain experience in the laboratory methods. Please read the instructions carefully before using this product. Reliability of assay results cannot be guaranteed if there are any deviations from the instructions in this document.

Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

See the references at the end of this document.

TABLE OF SYMBOLS

See the table of symbols at the end of this document.

The product is available in the various configurations listed below. There may be additional product ref. numbers as well. For an updated listing of available products, visit [liofilchem.com](https://www.liofilchem.com)

Product	Format	Packaging	Ref.
Nutrient Agar ISO 16266	Plate 90 mm	20 plates	10044
Nutrient Agar ISO 16266	Slant tube	10 x 7 ml	30083
Nutrient Agar ISO 16266	Bottle	6 x 100 ml	402190
Nutrient Agar ISO 16266	Bottle	6 x 200 ml	412190
Nutrient Agar ISO 16266	Bottle	6 x 500 ml	470060
Nutrient Agar ISO 16266	Dehydrated media	100 g	620036
Nutrient Agar ISO 16266	Dehydrated media	500 g	610036
Nutrient Agar ISO 16266	Dehydrated media	5 kg	6100365

This IFU document and the SDS are available from the online Support Center:

[liofilchem.com/ifu-sds](https://www.liofilchem.com/ifu-sds)



Nutrient Agar ISO 16266

Terreno per la coltivazione di microrganismi non esigenti e la conferma di *Pseudomonas aeruginosa*, secondo ISO 16266.

DESCRIZIONE

Nutrient Agar ISO 16266 è un terreno utilizzato per la coltivazione di microrganismi non esigenti da campioni di acqua.

Questo terreno è formulato secondo ISO 16266 per la ricerca ed il conteggio di *Pseudomonas aeruginosa* nell'acqua con la tecnica delle membrane filtranti.

FORMULA TIPICA*

	(g/litro)
Peptone	5.0
Estratto di Carne	1.0
Estratto di Lievito	2.0
Sodio Cloruro	5.0
Agar	15.0
pH Finale 7.4 ± 0.2 a 25°C	

*Adattata e/o integrata con supplementi per soddisfare le specifiche di performance richieste

PRINCIPIO DEL METODO

Il peptone e l'estratto di carne forniscono aminoacidi, azoto, carbonio, vitamine e minerali per la crescita degli organismi. L'estratto di lievito è una fonte di vitamine, soprattutto del gruppo-B. Il sodio cloruro mantiene il bilancio osmotico del terreno. L'agar è l'agente solidificante.

PREPARAZIONE

<u>Terreno disidratato</u>	Sospendere 28 g di polvere in 1 litro di acqua distillata o deionizzata sterile. Mescolare bene. Riscaldare agitando di frequente e bollire fino a completa dissoluzione. Sterilizzare in autoclave a 121°C per 15 minuti.
<u>Terreno in flaconi</u>	Sciogliere il contenuto di un flacone in bagnomaria a 100°C (con i tappi leggermente svitati) fino a completa dissoluzione del terreno. Verificare, una volta fuso, la buona omogeneità del terreno capovolgendo il flacone dopo averne avvitato il tappo. Raffreddare a $45-50^{\circ}\text{C}$, mescolare bene senza formazione di bolle. Versare in piastre Petri in condizioni di asepsi.

PROCEDURA DEL TEST

Secondo ISO 16266, trasferire la membrana e le colonie presuntive di *Pseudomonas aeruginosa* sul terreno in piastra.

Incubare a $36 \pm 2^{\circ}\text{C}$ per 20-24 ore in atmosfera aerobica.

In alternativa il terreno può essere inoculato per spatolamento o strisciando direttamente il campione sulla superficie dell'agar.

INTERPRETAZIONE DEI RISULTATI

Osservare le colonie sviluppate sul terreno. Confermare *P. aeruginosa* con il test dell'ossidasi (ref. 88029).

CONSERVAZIONE

La polvere è fortemente igroscopica, conservare a $10-30^{\circ}\text{C}$, in ambiente asciutto, nel suo contenitore originale chiuso ermeticamente. Conservare i flaconi, le provette e le piastre pronte a $10-25^{\circ}\text{C}$ al riparo dalla luce. Non usare il prodotto dopo la sua data di scadenza indicata sull'etichetta o se il prodotto mostra segni di contaminazione o deterioramento.

Evitare rapidi cambiamenti di temperatura del terreno in piastre per prevenire la formazione di condensa.

VALIDITÀ

Terreno disidratato: 4 anni.

Terreno in flaconi: 2 anni.

Terreno in provette a becco di clarino: 1 anno.

Piastre pronte all'uso: 6 mesi.

CONTROLLO DI QUALITÀ

Aspetto del Terreno Disidratato: Omogeneo, fine granulometria, beige.

Aspetto del Terreno Preparato: Ambra, leggermente opalescente.

Risultati Attesi dei Test Microbiologici:

Ceppo di controllo		Inoculo	Incubazione	Specifiche
<i>Pseudomonas aeruginosa</i>	WDCM 00025 (ATCC 27853, NCTC 12903)	50-100 UFC	20-24 h 36 ± 1°C	Crescita buona
<i>Escherichia coli</i>	WDCM 00013 (ATCC 25922, NCTC 12241)			

Fare riferimento al certificato di analisi (CoA) relativo al lotto effettivo.

AVVERTENZE E PRECAUZIONI

Esclusivamente per uso professionale. Gli operatori devono essere formati e avere una certa esperienza nei metodi di laboratorio. Si prega di legger attentamente le istruzioni prima di utilizzare questo prodotto. L'affidabilità dei risultati del test non può essere garantita se ci sono deviazioni dalle istruzioni riportate in questo documento.

Consultare la scheda di sicurezza (SDS) per informazioni sui pericoli e sulle modalità di manipolazione sicure.

SMALTIMENTO DEI RIFIUTI

Lo smaltimento dei rifiuti deve essere effettuato in conformità alle normative nazionali e locali in vigore.

BIBLIOGRAFIA

Vedere i riferimenti alla fine di questo documento.

TABELLA DEI SIMBOLI

Vedere la tabella dei simboli alla fine di questo documento.

Il prodotto è disponibile in diverse configurazioni. Vedere l'elenco nella lingua inglese.

Questo documento IFU e la SDS sono disponibile dal Support Center online:

lioilchem.com/ifu-sds



Nutrient Agar ISO 16266

Medio para el cultivo de organismos no exigentes y para la confirmación de *Pseudomonas aeruginosa*, según la ISO 16266.

Instrucciones de Uso
ESPAÑOL

DESCRIPCIÓN

Nutrient Agar ISO 16266 es un medio para el cultivo de organismos no exigentes a partir de muestras de agua. Su formulación sigue la ISO 16266 para la detección y conteo de *Pseudomonas aeruginosa* en aguas mediante la técnica de filtración de membrana.

FÓRMULA*	(g/litro)
Peptona	5.0
Extracto de Carne	1.0
Extracto de Levadura	2.0
Cloruro Sódico	5.0
Agar	15.0
pH final 7.4 ± 0.2 a 25°C	

Ajustada y/o complementada según sea necesario para cumplir con las especificaciones de rendimiento.

PRINCIPIO DEL MÉTODO

La peptona y el extracto de carne suministran los aminoácidos, nitrógeno, carbono, vitaminas y minerales necesarios para el crecimiento de los microorganismos. El extracto de levadura es una fuente de vitaminas, especialmente del grupo B. El cloruro sódico mantiene el equilibrio osmótico del medio. El agar es el agente solidificante

PREPARACIÓN

<u>Medio deshidratado</u>	Suspender 28 g del polvo deshidratado en 1 litro de agua destilada o desionizada. Mezclar bien. Calentar hasta la ebullición removiendo frecuentemente hasta la completa disolución. Esterilizar en autoclave a 121°C durante 15 minutos.
<u>Medio en botellas</u>	Disolver el contenido de la botella en un baño con agua a 100°C (con el tapón ligeramente desenroscado) hasta su completa disolución. Comprobar la homogeneidad del medio disuelto, girar la botella si es necesario para ayudar a la homogeneización. Enfriar a 45-50°C, mezclar bien evitando la formación de burbujas y distribuir en placas Petri de forma aséptica.

PROCEDIMIENTO DEL TEST

Según la ISO 16266, se debe transferir la membrana filtrante y las colonias presuntas de *Pseudomonas aeruginosa* al medio en placa.

Incubar aerobicamente a $36 \pm 2^\circ\text{C}$ durante 20-24 horas.

Como alternativa, se puede inocular el medio por estriación o vertiendo la muestra sobre el agar.

INTERPRETACIÓN DE LOS RESULTADOS

Observar el crecimiento de colonias. Confirmar *P. aeruginosa* a través del test de la oxidasa (ref. 88029).

ASPECTO

Medio deshidratado: suelto, homogéneo, beige claro.

Medio preparado: ligeramente opalescente, ámbar claro

ALMACENAMIENTO

El polvo deshidratado es muy higroscópico, almacenar a 10-30°C, en un entorno seco, en su frasco original correctamente cerrado. Almacenar las botellas los tubos y las placas preparadas a 10-25°C fuera del contacto de la luz. 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.

Evite los cambios rápidos en la temperatura del medio en placas para evitar la condensación.

VIDA ÚTIL

Medio deshidratado: 4 años.

Medio en botellas: 2 años.

Tubos semitendidos: 1 año

Placas preparadas: 6 meses.

CONTROL DE CALIDAD

Aspecto del Medio Deshidratado: Suelto, homogéneo, beige claro.

Apariencia del Medio Preparado: Ligeramente opalescente, ámbar claro.

Respuesta Cultural Esperada Cultural:

Cepa de control		Inóculo	Incubación	Especificación
<i>Pseudomonas aeruginosa</i>	WDCM 00025 (ATCC 27853, NCTC 12903)	50-100 UFC	20-24 h 36 ± 1°C	Buen crecimiento
<i>Escherichia coli</i>	WDCM 00013 (ATCC 25922, NCTC 12241)			

Consulte el Certificado de análisis (CoA) para el lote real.

ADVERTENCIAS Y PRECAUCIONES

Solo para uso profesional. Los operadores deben estar capacitados y tener cierta experiencia en los métodos de laboratorio. Lea atentamente las instrucciones antes de utilizar este producto. No se puede garantizar la confiabilidad de los resultados del ensayo si existen desviaciones de las instrucciones de este documento.

Consulte la Hoja de datos de seguridad (SDS) para obtener información sobre los peligros y las prácticas de manipulación segura.

DESECHO DE RESÍDUOS

El desecho de los residuos debe realizarse según la regulación nacional y local vigente.

BIBLIOGRAFÍA

Consulte las referencias al final de este documento.

TABLA DE SÍMBOLOS

Consulte la tabla de símbolos al final de este documento.

El producto está disponible en diferentes configuraciones. Ver la lista en inglés.

Este documento IFU y la SDS están disponibles en el Centro de soporte en línea:
liofilchem.com/ifu-sds

References / Riferimenti / Referencias

1. ISO 16266:2008. Water Quality – Detection and enumeration of *Pseudomonas aeruginosa* – Method by membrane filtration.
2. Marshall, R.T. (1993) Standard methods for the microbiological examination of dairy products, 16th ed.

Table of Symbols / Tabella dei Simboli / Tabla de Símbolos

	Batch code / Codice del lotto / Código de lote
	Catalogue number / Numero di catalogo / Número de catálogo
	Manufacturer / Fabbrikante / Fabricante
	Use by / Utilizzare entro / Utilizar antes de
	Fragile, handle with care / Fragile, maneggiare con cura / Frágil, manipular con cuidado
	Temperature limitation / Limiti di temperatura / Límites de temperatura
	Contains sufficient for <n> tests / Contenuto sufficiente per <n> saggi / Contenido suficiente para <n> análisis
	Consult instructions for use // Consultare le istruzioni per l'uso / Consultar las instrucciones de uso /
	Do not reuse / Non riutilizzare / No reutilizar
	Keep away from sunlight / Tenere al riparo dalla luce solare / Mantener alejado de la luz solar /



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Tryptic Soy Broth

Casein Soya Bean Digest Broth

Liquid medium for the isolation and cultivation of
a wide variety of organisms, according to USP/EP/JP.

DESCRIPTION

Tryptic Soy Broth (TSB) is a nutritious medium used for the detection, isolation and cultivation of fastidious and nonfastidious microorganisms including bacteria and fungi from clinical specimens, environmental sources and other materials.

This medium meets the requirements of the harmonized method in the United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) for sterility testing and for microbiological examination of non-sterile products. It is recommended by the Clinical and Laboratory Standards Institute (CLSI) for inoculum preparation in antibiotic susceptibility testing.

TSB is also available as triple-wrapped and gamma-irradiated bottles, particularly suitable for use in restricted areas and for aseptic process simulations (media fill trial) in the pharmaceutical industry.

TYPICAL FORMULA

	(g/l)
Pancreatic Digest of Casein	17.0
Papaic Digest of Soya Bean	3.0
Sodium Chloride	5.0
Dipotassium Hydrogen Phosphate	2.5
Glucose Monohydrate	2.5
Final pH 7.3 ± 0.2 at 25°C	

METHOD PRINCIPLE

Pancreatic digest of casein and papaic digest of soya bean provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Sodium chloride maintains osmotic balance in the medium. Dipotassium phosphate is a buffering agent. Glucose is an energy source.

PREPARATION

Dehydrated medium Suspend 30 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.

TEST PROCEDURE

For use in clinical microbiology, inoculate TSB directly with the clinical specimen or with a small amount of growth from an overnight culture on a solid medium. Usually, incubation at 35 ± 2°C for 18-24 hours is adequate.

For use in industrial microbiology, inoculate the sample or material to be tested into the medium. Incubate under appropriate atmosphere at 30-35°C for 18-72 hours (for the bacteria) and at 20-25°C for a maximum of 5 days (for the fungi).

For sterility testing, the way of inoculation depends on the type and size of test material. If membrane filtration is carried out, a suitable diluent such as Fluid A (ref. 400010) may be used. For direct inoculation, it is recommended a minimum 1:10 dilution of the sample to the culture medium. Incubate at 20-25°C for 14 days.

For media fill test in biopharmaceutical manufacturing, two incubation temperatures are used. The initial incubation at 20-25°C for 7 days, and then at 30-35°C for further 7 days.

For all applications notice that:

- it is important to provide sufficient aeration during incubation by slightly loosening the caps;
- Fluid Thioglycollate Medium (ref. 24124) should be used for the cultivation of strict anaerobes.

INTERPRETING RESULTS

The presence of turbidity compared to an uninoculated control or a pellicle formation indicate microbial growth. Subculture to suitable solid media for complete identification of the isolated colonies.

If the material being tested renders the medium turbid and a visual examination is not possible at the end of the incubation period, subculture to fresh TSB or onto appropriate solid media to ensure that turbidity is caused by the sample only and it is not a result of microorganisms multiplying in the broth.

APPEARANCE

Dehydrated medium: free-flowing, homogeneous, light beige.

Prepared medium: clear to very slightly opalescent, light amber to 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.

Medium in bottles/tubes: 2 years.

QUALITY CONTROL

The medium is inoculated with the microbial strains indicated in the QC table.

Inoculum for productivity: ≤100 CFU.

Incubation conditions: bacteria at $32.5 \pm 2.5^\circ\text{C}$ for 18-24 h and up to 72 h (*Clostridium*)
yeasts and molds at $22.5 \pm 2.5^\circ\text{C}$ for up to 5 days.

QC Table.

Microorganism		Growth
<i>Staphylococcus aureus</i>	ATCC® 6538	Good
<i>Staphylococcus aureus</i> *	ATCC® 25923	Good
<i>Escherichia coli</i>	ATCC® 8739	Good
<i>Escherichia coli</i> *	ATCC® 25922	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Good
<i>Bacillus subtilis</i>	ATCC® 6633	Good
<i>Salmonella</i> Typhimurium	ATCC® 14028	Good
<i>Clostridium sporogenes</i>	ATCC® 11437	Good
<i>Candida albicans</i>	ATCC® 10231	Good
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Good

*CLSI recommended organisms

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. CLSI. Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically; Approved Standard - Tenth Edition. CLSI document M07-A10. Wayne, PA: Clinical and Laboratory Standards Institute; 2015.
2. United States Pharmacopeial Convention (2014) The United States Pharmacopeia 38/National Formulation 33, Supp. 2. Chapter <61> Microbiological examination of non-sterile products: Microbial enumeration tests and Chapter <62> Microbiological examination of non-sterile products: Test for specified products. Chapter <71> Sterility Tests. Rockville, Md., USA.
3. European Directorate for the Quality of Medicines and Healthcare (2014) The European Pharmacopoeia. 8th Ed. Chapter 2.6.12 Microbiological examination of non-sterile products: Microbial enumeration tests and Chapter 2.6.13 Microbiological examination of non-sterile products: Test for specified products. Strasbourg, France.
4. PDA Technical Report No. 13 (2014 Revised) Fundamentals of an Environmental Monitoring Program.
5. Japanese Ministry of Health, Labour and Welfare (2011) The Japanese Pharmacopoeia. 16th Ed. Chapter 4.05 Microbial Limit Test I. Microbiological examination of non-sterile products: Total viable aerobic count and II. Microbiological examination of non-sterile products: Test for specified products. Japanese Ministry of Health, Labour and Welfare. Tokyo, Japan.

6. Pharmaceutical Inspection Convention Co-operation Scheme (PIC/S). Recommendation on the Validation of Aseptic Processes (2011) Revision 6.
7. CLSI. Performance Standards for Antimicrobial Disk Susceptibility Tests; Approved Standard - Tenth Edition. CLSI document M02-A10. Wayne, PA: Clinical and Laboratory Standards Institute; 2009.
8. FDA (2004) Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing – Current Good Manufacturing Practice.

PRESENTATION		Contents	Ref.
Tryptic Soy Broth	Tubes	50 x 5 ml tubes	27500
Tryptic Soy Broth	Tubes	20 x 9 ml tubes	24469
Tryptic Soy Broth	Tubes	20 x 10 ml tubes	24513
Tryptic Soy Broth	Tubes	100 x 10 ml tubes	26513
Tryptic Soy Broth	Tubes	10 x 15 ml tubes	20129
Tryptic Soy Broth	Bottles	6 x 100 ml bottles (flip-off cap)	400030
Tryptic Soy Broth	Bottles	6 x 100 ml bottles (screw cap)	452080
Tryptic Soy Broth	Bottles (triple wrapped and gamma-irradiated)	6 x 100 ml bottles (screw cap)	452080S
Tryptic Soy Broth	Bottles	6 x 100 ml bottles (crimp cap)	495010
Tryptic Soy Broth	Bottles	25 x 100 ml bottles (flip-off cap)	453030
Tryptic Soy Broth	Bottles	25 x 100 ml bottles (screw cap)	455208
Tryptic Soy Broth	Bottles	6 x 200 ml bottles (screw cap)	442080
Tryptic Soy Broth	Bottles	6 x 225 ml bottles (screw cap)	432080
Tryptic Soy Broth	Bottles	6 x 500 ml bottles (screw cap)	470370
Tryptic Soy Broth	Dehydrated medium	500 g of powder	610053
Tryptic Soy Broth	Dehydrated medium	100 g of powder	620053
Tryptic Soy Broth	Dehydrated medium	5 kg of powder	6100535

TABLE OF SYMBOLS

LOT Batch code	IVD <i>In vitro</i> 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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CultiControl™

Freeze-dried bacterial strains

INTENDED USE

The Liofilchem® CultiControl™ microorganisms are lyophilized, reference stock culture preparations containing a single strain of a microorganism. These microorganism preparations are intended to be used for quality control of culture media, educational/instructional programs and industrial applications. The microorganism preparations are traceable to the American Type Culture Collection (ATCC®) or other authentic reference culture collections.

SUMMARY AND HISTORY

A reliable source of reference stock cultures for use in microbiology quality assurance programs is essential. Microorganisms with known and predictable characteristics are used in quality control, education and proficiency programs. Lyophilization is a well-documented and recommended method for long-term preservation of microorganisms. The use of this lyophilized material provides equivalent results to traditional methods used in preparing, storing and maintaining reference stock culture collections.

PRINCIPLE

CultiControl™ microorganisms incorporate a lyophilization method reported by Obara et.al. which uses a suspending medium consisting of gelatin, skim milk, ascorbic acid, dextrose, and charcoal. The gelatin serves as a carrier for the microorganism. Skim milk, ascorbic acid, and dextrose protect the microorganism by preserving the integrity of the cell wall during freeze-drying and storage. The charcoal is included to neutralize any toxic substances formed during the lyophilization process.

PRODUCT DESCRIPTION

CultiControl™ microorganisms are packaged in a resealable vial that contains five (5) lyophilized pellets of a single microorganism strain and a desiccant to prevent adverse accumulations of moisture.

- Each lyophilized microorganism preparation is less than or equal to four (4) passages from a reference culture.

MATERIALS REQUIRED BUT NOT PROVIDED

CultiControl™ microorganisms require sterile tubes and 0.5 ml of sterile liquid such as, Tryptic Soy Broth, Brain Heart Infusion Broth, saline, or deionized water to hydrate the lyophilized preparation. Sterile swabs or inoculating loops are needed to transfer the hydrated preparation to an agar plate.

CultiControl™ microorganisms require non-selective, nutrient or enriched agar media and specific incubation times and conditions to optimize growth and recovery.

The Technical Sheet CC01 "Recommended Growth Requirements" lists the recommended media and incubation requirements. This Technical Sheet is available from our website at www.liofilchem.net/culticontrol/download.

INSTRUCTIONS FOR USE

Remove the unopened CultiControl™ vial from 2°C to 8°C storage and allow the unopened vial to reach the room temperature.

Aseptically remove one (1) pellet with sterile forceps from the vial. Do not remove desiccant.

Place the pellet in 0.5 mL of sterile fluid (water, saline, TSB, or BHIB).

Immediately stopper and recap vial and return the resealed vial to 2°C to 8°C storage.

Crush the pellet with a sterile swab until the suspension is homogenous.

Immediately heavily saturate the same swab with the hydrated material and transfer to agar medium.

Inoculate the primary culture plate(s) by gently rolling the swab over one-third of the plate.

Using a sterile loop, streak to facilitate colony isolation.

Using proper biohazard disposal, discard the remaining hydrated material.

Immediately incubate the inoculated media at temperature and conditions appropriate to the microorganism.

STORAGE AND EXPIRATION

Store the CultiControl™ microorganisms at 2°C to 8°C in the original, sealed vial or pouch containing the desiccant.

Stored as directed, the lyophilized microorganism preparation will retain, until the expiration date stated on the device label, its specifications and performance within the stated limits.

The CultiControl™ microorganisms should not be used if: • Stored improperly; • There is evidence of excessive exposure to heat or moisture; or, • The expiration date has passed.

QUALITY CONTROL

This product is developed, manufactured, and distributed:

- in conformance with the elements of ISO 9001; and,
- in conformance with CE Mark requirements.

Quality control functions may include, but are not limited to:

- purity and growth characteristics;
- morphological features;
- biochemical activity;
- the identity and traceability of the microorganism preparation to a reference culture; and,
- the number of passages the microorganism preparation has been removed from the reference culture.

The decision to perform additional quality control is the responsibility of each individual laboratory.

PRECAUTIONS AND LIMITATIONS

These products are for in-vitro use only.

Refer to the MSDS for more detailed information. The MSDS can be found on our website at www.liofilchem.net/culticontrol/download.

These devices, and growth of these microorganisms, are considered biohazard material. These devices contain viable microorganisms that may produce disease. Proper techniques must be employed to avoid exposure and contact with any microorganism growth. The microbiology laboratory must be equipped, and have the facilities to receive, process, maintain, store and dispose of biohazard material. Only trained laboratory personnel should use these devices. Agencies and statutes regulate the disposal of all biohazard materials. Each laboratory must be aware of, and comply with, the proper disposal of biohazard materials. The Liofilchem CultiControl™ products and packaging are latex free.

PRODUCT WARRANTY

These products are covered under warranty to meet the specifications and performance printed and illustrated in product inserts, instructions, and supportive literature. The warranty, expressed or implied, is limited when: the procedures employed in the laboratory are contrary to printed and illustrated directions and instructions or the products are employed for applications other than the intended use cited in product inserts, instructions, and supportive literature.

REFERENCES

The following reference cites the basis for the lyophilization method employed on these microorganism preparations.

1. Y. Obara, S. Yamai, T. Nikkawa, Y. Shimoda, and Y. Miyamoto. 1981. J. Clin. Microbiol. 14:61-66.

The selection of reference stock cultures is only one integral part of the overall scheme for QC challenge procedures and techniques. Reference to guidelines for each laboratory's applications is essential. Examples might include:

1. AOAC Compendium of Microbiological Methods.
2. Clinical Microbiology Procedures Handbook. ASM. Washington, D.C.
3. FDA Bacteriological Analytical Manual.
4. Manual of Clinical Microbiology, ASM, Washington, D.C.
5. Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically. CLSI.
6. Official Methods of Analysis of the Association of Official Analytical Chemists.
7. Performance Standards for Antimicrobial Disk Susceptibility Tests. CLSI.
8. Quality Assurance for Commercially Prepared Microbiological Culture Media. CLSI.
9. Methods for Antimicrobial Susceptibility Testing of Anaerobic Bacteria. CLSI.
10. Standard Methods for the Examination of Dairy Products.
11. Standard Methods for the Examination of Water and Wastewater.
12. US Pharmacopoeia and National Formulary.

TABLE OF SYMBOLS

IVD <i>In Vitro</i> Diagnostic Medical Device	 Biological risk	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation	 Do not reuse
REF Catalogue number	 Fragile, handle with care	 Use by	LOT Batch code	 Consult Instructions for Use	



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CultiControl™

Ceppi batterici liofilizzati

DESTINAZIONE D'USO

Liofilchem® CultiControl™ sono di ceppi microbici di riferimento liofilizzati destinati alla preparazione di colture batteriche pure. Tali microrganismi possono essere utilizzati per il controllo di qualità dei terreni di coltura, in percorsi educativi/didattici e nei processi industriali. Queste preparazioni microbiche sono riconducibili alla American Type Culture Collection (ATCC®) o ad altre collezioni batteriche di riferimento autentiche.

INTRODUZIONE E STORIA

Una fonte affidabile di colture microbiologiche di riferimento è essenziale nelle procedure di assicurazione della qualità. I microrganismi con caratteristiche note e prevedibili sono utilizzati per il controllo qualità, nei programmi di istruzione e nei processi professionali. La liofilizzazione è un metodo ben documentato e raccomandato per conservare a lungo termine i microrganismi.

L'uso di questo materiale liofilizzato fornisce risultati equivalenti ai metodi tradizionali utilizzati nella preparazione, conservazione e mantenimento di collezioni batteriche di riferimento.

PRINCIPIO

I microrganismi CultiControl™ prevedono il metodo di liofilizzazione riportato da Obara et.al. che utilizza una sospensione a base di gelatina, latte scremato, acido ascorbico, destrosio e carbone vegetale. La gelatina serve per il trasporto dei microrganismi. Latte scremato, acido ascorbico e destrosio proteggono il microrganismo preservando l'integrità della parete cellulare durante la liofilizzazione e lo stoccaggio. Il carbone vegetale viene incluso per neutralizzare eventuali sostanze tossiche che si formano durante il processo di liofilizzazione.

DESCRIZIONE

I microrganismi CultiControl™ sono confezionati in una fiala richiudibile che contiene cinque (5) pastiglie liofilizzate di un singolo ceppo di microrganismi ed un essiccante per evitare accumuli indesiderati di umidità.

- Ogni preparazione liofilizzata di microrganismi è inferiore o uguale a quattro (4) passaggi dalla coltura di riferimento.

MATERIALE NECESSARIO MA NON FORNITO

I microrganismi CultiControl™ richiedono provette sterili e 0.5 ml di liquido sterile come, Tryptic Soy Broth, Brain Heart Infusion Broth, soluzione fisiologica, o acqua deionizzata per idratare la preparazione liofilizzata. Sono necessari tamponi sterili o anse per trasferire la preparazione idratata su una piastra agar.

I microrganismi CultiControl™ richiedono agar non selettivo, nutriente o arricchito e condizioni di incubazione specifiche per ottimizzare crescita e recupero del microrganismo.

La Scheda Tecnica CC01 "Requisiti di Crescita Raccomandati" elenca terreni e condizioni di incubazione specifiche. La Scheda Tecnica è disponibile sul nostro sito web all'indirizzo: www.liofilchem.net/culticontrol/download.

ISTRUZIONI PER L'USO

Prelevare la fiala di CultiControl™ non ancora aperta dal frigo (2-8°C) e portare a temperatura ambiente.

Asetticamente, prelevare con una pinzetta un (1) pellet dalla fiala. Non rimuovere l'essiccante.

Immergere il pellet in 0.5 mL di liquido sterile (acqua, fisiologica, TSB o BHIB).

Subito dopo richiudere il tappo della fiala e riporre lo stesso in frigo (2-8°C).

Frantumare il pellet con un tampone sterile fino a quando la sospensione risulta omogenea.

Subito dopo, utilizzando lo stesso tampone trasferire la sospensione su un terreno agarizzato.

Inoculare una o più piastre con la coltura primaria ruotando gentilmente il tampone su un terzo della superficie del terreno.

Utilizzando un'ansa sterile, strisciare per facilitare l'isolamento delle colonie.

Scartare la sospensione rimanente utilizzando le idonee procedure per lo smaltimento dei rifiuti biologici.

Incubare le piastre inoculate alla temperatura ed alle condizioni appropriate per il microrganismo.

CONSERVAZIONE E SCADENZA

Conservare i microrganismi CultiControl™ a 2-8°C nella loro fiala o sacchetto originale contenente l'essiccante.

Conservate nel modo corretto, le preparazioni di microrganismi liofilizzati mantengono le caratteristiche e le prestazioni entro i limiti stabiliti fino alla data di scadenza indicata sulla confezione.

I microrganismi CultiControl™ non dovrebbero essere utilizzati se: • Conservati impropriamente; • Ci sono segni evidenti di esposizione eccessiva a calore o umidità; o, • La confezione è scaduta.

CONTROLLO DI QUALITÀ

Questo prodotto è sviluppato, prodotto e distribuito:

- in conformità con le norme ISO 9001 e,
- in conformità con i requisiti del marchio CE.

Funzioni di controllo di qualità includono, ma non sono limitati a:

- purezza e caratteristiche di crescita;
- caratteristiche morfologiche;
- attività biochimica;
- identità e provenienza della preparazione di microrganismi dalla coltura di riferimento e,
- il numero di passaggi della preparazione di microrganismi è stata estratta dalla coltura di riferimento.

La decisione di effettuare un ulteriore controllo di qualità è responsabilità di ogni singolo laboratorio.

PRECAUZIONI E LIMITI

Questi prodotti sono solo per uso *in-vitro*.

Consultare la scheda di sicurezza per informazioni più dettagliate. La scheda di sicurezza è disponibile sul nostro sito web all'indirizzo www.liofilchem.net/culticontrol/download.

Questi dispositivi, e la crescita di questi microrganismi, sono considerate materiale a rischio biologico. Questi dispositivi contengono microrganismi vitali che possono provocare malattie. Tecniche appropriate per evitare l'esposizione e il contatto con i microrganismi in crescita. Il laboratorio di microbiologia deve essere attrezzato ed essere in grado di ricevere, elaborare, mantenere, conservare e smaltire materiale a rischio biologico. Solo il personale di laboratorio addestrato dovrebbe utilizzare questi dispositivi. Enti e norme specifiche regolano lo smaltimento del materiale a rischio biologico. Ogni laboratorio deve conoscere e rispettare il corretto smaltimento dei materiali a rischio biologico. I prodotti e gli imballaggi Liofilchem CultiControl™ sono privi di lattice.

GARANZIA DEL PRODOTTO

Questi prodotti sono garantiti per soddisfare le specifiche e le prestazioni indicate e illustrate in inserti, istruzioni e bibliografia. La garanzia, esplicita o implicita, è limitata quando: le procedure impiegate in laboratorio sono contrarie alle direttive ed alle istruzioni indicate e illustrate o se i prodotti vengono impiegati per applicazioni diverse dall'uso previsto dagli specifici inserti, istruzioni e bibliografia.

BIBLIOGRAFIA

La seguente bibliografia cita le basi del metodo di liofilizzazione impiegato su queste preparazioni di microrganismi.

1. Y. Obara, S. Yamai, T. Nikkawa, Y. Shimoda, and Y. Miyamoto. 1981. J. Clin. Microbiol. 14:61-66.

La selezione delle colture di riferimento è solo una parte integrante delle tecniche e procedure del controllo di qualità. È essenziale far riferimento alle linee guida per ciascuna procedura di laboratorio. Esempi possono includere:

1. AOAC Compendium of Microbiological Methods.
2. Clinical Microbiology Procedures Handbook. ASM. Washington, D.C.
3. FDA Bacteriological Analytical Manual.
4. Manual of Clinical Microbiology, ASM, Washington, D.C.
5. Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically. CLSI.
6. Official Methods of Analysis of the Association of Official Analytical Chemists.
7. Performance Standards for Antimicrobial Disk Susceptibility Tests. CLSI.
8. Quality Assurance for Commercially Prepared Microbiological Culture Media. CLSI.
9. Methods for Antimicrobial Susceptibility Testing of Anaerobic Bacteria. CLSI.
10. Standard Methods for the Examination of Dairy Products.
11. Standard Methods for the Examination of Water and Wastewater.
12. US Pharmacopoeia and National Formulary.

TABELLA DEI SIMBOLI

IVD Dispositivo Medico-Diagnostico <i>In Vitro</i>	 Rischio biologico	 Fabbricante	 Contenuto sufficiente per <n> saggi	 Limiti di temperatura	 Non riutilizzare
REF Numero di catalogo	 Fragile, maneggiare con cura	 Utilizzare entro	LOT Codice del lotto	 Consultare le istruzioni per l'uso	



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Microbiology Products

Roseto degli Abruzzi, 02.09.2024

To Whom it May Concern

Liofilchem hereby declares that the device included in Table no.1 are not an In Vitro Diagnostic Device or Medical Device

Ref.	Description
10003	OGYE Agar + Gentamicin
10006	Tryptic Soy Agar + 0,6% Yeast Extract
10007	Bacillus cereus Agar (PEMBA)
10009	Tryptic Soy Agar + NaCl 3%
10010	Endo Agar
10011	Yeast Glucose Chloramphenicol Agar
10012	Violet Red Bile Lactose Agar + MUG
10015	TSA + Actidione
10019	R2A Agar
10027	Bacillus cereus Agar (Mosset)
10032	Plate Count Agar
10034	Rose Bengal CAF Agar
10035S	Sabouraud Dextrose Agar (Irradiated)
10037S	Tryptic Soy Agar (Irradiated)
10038	Streptococcal KF Agar + TTC
10044	Nutrient Agar ISO 16266
10049	MSRV Agar
10057	BILE AESCULIN AGAR
10058S	Tryptic Soy Agar 30 mL (Irradiated)
10059S	Tryptic Soy Agar + Neutralizing (Irradiated) 30 mL
10061	Pseudomonas Selective Agar (CFC)
10066	Malt Extract Agar
10074	Tryptic Soy Agar + Neutralizing
10074S	Tryptic Soy Agar + Neutralizing (Irradiated)
10075S	Sabouraud Dextrose Agar + Neutralizing (Irradiated)
10076S	Tryptic Soy Agar 18 mL (Irradiated)
10085	Tryptic Soy Agar + 1% Penase + Neutralizing
10085S	Tryptic Soy Agar + 1% Penase + Neutralizing (Irradiated)
10086S	Tryptic Soy Agar + 0.1% Penase + Neutralizing (Irradiated)
10088S	Sabouraud Dextrose Agar + 0.1% Penase + Neutralizing (Irradiated)
10089	Orange Serum Agar
10090	MRS Agar
10091	M 17 AGAR
10097	Dichloran Rose Bengal CAF Agar
10098	Dichloran Glycerol (DG18) Agar
10102S	Tryptic Soy Agar + Lactamator 500 IU (Irradiated)
10103S	Tryptic Soy Agar + Lactamator 1000 IU (Irradiated)
10104S	Tryptic Soy Agar + Lactamator 500 IU + Neutralizing (Irradiated)
10105S	Tryptic Soy Agar + Lactamator 1000 IU + Neutralizing (Irradiated)
10106S	Tryptic Soy Agar + Penase + Cephalosporinase + Neutralizing (Irradiated)
10108S	Sabouraud Dextrose Agar + Lactamator 500 IU + Neutralizing (Irradiated)
10109S	Sabouraud CAF Agar + Penase + Cephalosporinase + Neutralizing (Irradiated)
10110S	Tryptic Soy Agar + Lactamator 1000 IU + Neutralizing (Irradiated) 30 mL
10111S	Tryptic Soy Agar + 0.1% Penase + Neutralizing (Irradiated) 30 mL
10112S	Tryptic Soy Agar + Lactamator 1000 IU + Neutralizing (Irradiated) 30 mL



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Reason: MoldSign Signature
Location: Moldova



Ref.	Description
10114S	Sabouraud Dextrose Agar 30 mL (Irradiated)
10116S	Tryptic Soy Agar + Lactamator 500 IU (Irradiated) 30 mL
10127	Legionella MWY Agar
10146	Campylobacter Preston Agar
10223	O.A. Listeria Agar
10226	Tryptic Soy Agar + Neutralizing
10234	Rose Bengal CAF Agar
10248	Chromatic Bacillus Cereus
10250	Brilliant Green Agar ISO 6579 : 2017
10334	NEOMYCIN BLOOD AGAR (Sheep Blood 5%)
10406	Aeromonas Agar
10409	Campylobacter CCDA Agar
10411	Bile Aesculin Azide Agar w/ Vancomycin
10415	SUGAR FREE AGAR
10418	Malt Agar
10419	Strongyloides stercoralis Agar
10426	Marine Salt Agar
10428	Tergitol TTC Agar (ISO 9308-1)
10430	YSG Agar
10432	Tryptone Soy Yeast Extract Agar
10433	Milk Plate Count Agar
10437	Sabouraud CAF Agar + Neutralizing
10441	Sabouraud CAF (50 mg) Agar
10442	Gelatin Peptone Agar
10446	Bismuth Sulphite Agar ISO 6579
10447	Antibiotic Agar No. 1
10449	Tryptose Sulfite Cycloserine Agar
10454	Mueller Hinton Agar w/ Colistin 1 mg/L
10455	Mueller Hinton Agar w/ Colistin 3 mg/L
10456	Rapid Y/M Agar
10457	D/E Neutralizing Agar
10458	Bifidobacterium Agar
10458*	Bifidobacterium Agar
10460	Burkholderia Cepacia Selective Agar USP
10466	Gassner Agar
10468	TKT Edwards Medium Modified
10473	BAT Agar
10521	Baird Parker Agar + RPF
10522	TBX Agar
10600	Oxacillin Resistance Staphylococcus Agar
10605	Helicobacter pylori Egg Yolk Emulsion Agar
10998	LEGIONELLA AGAR (GVPC) (RT)
10999	BAIRD PARKER AGAR + RPF (RT)
11027	Desoxycholate Agar
11030	Anaerobic Agar
11034	Pseudomonas CN Agar
11035S	Sabouraud CAF Agar (Irradiated)
11038	Tryptic Soy Agar (Horse Blood 5%)
11053	m-Endo Agar LES
11055	OGYE Agar
11058	Slanetz Bartley Agar (m-Enterococcus)
11072	King's B Medium
11137	Tryptic Soy Agar + 5% Penase + Neutralizing
11183	Violet Red Bile Lactose Agar
11184	Violet Red Bile Glucose Agar
11185	Vogel Johnson Agar

Ref.	Description
11199	Potato Dextrose Agar
11210	m-Faecal Coliform Agar
11230	Listeria Aesculin Agar
11503	MacConkey Agar w/o Crystal Violet
11510	Mueller Hinton Agar +2% Glucose + Methylene Blue
11512	Nutrient Agar ISO 21528
11513	Nutrient Agar ISO 6579
11517	Columbia Agar (Sheep Blood 5%) + Vancomycin
11518	Mueller Hinton Agar + Cloxacillin
11613	Chromatic Coli Coliform
11623	Enterobacter (Cronobacter) sakazakii Isolation Agar
11624	Chromatic ESBL V.C.
11625	Chromatic ESBL V.E.
11626	Chromatic ESBL V.
11628	Chromatic Bacillus cereus
11630	Chromatic Coliform Agar ISO
11635	Chromatic Pseudomonas
11636	Chromatic Cronobacter Isolation Agar
11641	Chromatic Super CAZ/AVI
15203S	Tryptic Soy Agar + Neutralizing (Irradiated) lockable
15204S	Sabouraud Dextrose Agar + Neutralizing (Irradiated) lockable
15205	DG18 Agar + Neutralizing
15323S	Sabouraud Dextrose Agar + Neutralizing (Irradiated)
15325	Plate Count Agar
15326	Violet Red Bile Lactose Agar
15327	Sabouraud Dextrose Agar
15327S	Sabouraud Dextrose Agar (Irradiated)
15328	Mannitol Salt Agar
15329	MacConkey Agar
15330	Tryptic Soy Agar + 0.1% Penase + Neutralizing
15330S	Tryptic Soy Agar + 0.1% Penase + Neutralizing (Irradiated)
15331	Baird Parker Agar + Neutralizing
15332	Cetrimide Agar
15333S	Sabouraud Dextrose Agar + 0.1% Penase + Neutralizing (Irradiated)
15334	Legionella BCYE Agar
15336	Plate Count Agar + Neutralizing
15336S	Plate Count Agar + Neutralizing (Irradiated)
15339KS	Tryptic Soy Agar + Neutralizing (Irradiated)
15339S	Tryptic Soy Agar + Neutralizing (Irradiated)
15340S	Tryptic Soy Agar (Irradiated)
15341S	Tryptic Soy Agar + Lactamator 500 IU + Neutralizing (Irradiated)
15345S	Sabouraud Dextrose Agar + Lactamator 500 IU + Neutralizing (Irradiated)
15346	Chromatic Coliform Agar ISO
15354	R2A Agar
15360	Plate Count Agar+TTC+Neutralizing
15361	Violet Red Bile Lactose Agar + Neutralizing
15362	Slanetz Bartley Agar + Neutralizing
15365	Sabouraud CAF Agar + Neutralizing
15365S	Sabouraud CAF Agar + Neutralizing (Irradiated)
15368	m-Faecal Coliform Agar
15374	Rose Bengal CAF Agar
15375	Violet Red Bile Glucose Agar
15376	Legionella Agar (GVPC)
15380S	Sabouraud CAF Agar (Irradiated)
15382	Violet Red Bile Glucose Agar + Neutralizing
15385	Rose Bengal CAF Agar + Neutralizing

Ref.	Description
15386	Cetrimide Agar + Neutralizing
15389	DG18 Agar + Neutralizing
163362	Legionella BCYE Agar
163372	Iron Sulphite Agar ISO 15213-1
163392	Legionella Agar (GVPC)
163402	Sabouraud Dextrose Agar
163412	Mycoset Agar
163422	Malt Extract Agar
163432	m-Endo Agar LES
163442	m-Faecal Coliform Agar
163452	Plate Count Agar
163462	Slanetz Bartley Agar (m-Enterococcus A.)
163472	Cetrimide Agar
163482	Streptococcal KF Agar + TTC
163492	Tergitol Agar + TTC
163512	Baird Parker Agar
163522	SPS Agar
163542	MacConkey Agar
163562	Tergitol Agar
163572	Bile Aesculin Azide Agar
163582	Yeast Extract Agar
163592	Pseudomonas CN Agar
163612	m-CP Agar
163622	Aeromonas Agar
163642L	M-Green Yeast And Mold
163652	TBX Agar
163662	Chromatic Salmonella
163672	R2A Agar
163682	Tryptic Soy Agar
163702	Chromatic Coli Coliform
163712	WL Nutrient Agar
163722	Chromatic EC X-Gluc Agar
163732	Orange Serum Agar
163742L	Tryptone Glucose Extract Agar + TTC
163792	Crystal Violet Medium
163802	Wort Agar
163812	M-Green Yeast & Mold Agar + CAF
163832	MRS Agar
163842L	M-Green Yeast And Mold Agar pH modified
163852	Chromatic Coliform Agar ISO
163862	C - EC MF Agar
163872	Tryptose Sulfite Cycloserine Agar
163932	Actinomycete Agar
163942	Brettanomyces Agar
163962	Potato Dextrose Agar pH 4
168998	m-CP Agar (RT)
173852	Chromatic Coliform Agar ISO
173922	Yeast Glucose Chloramphenicol Agar
178999	Chromatic Coliform Agar ISO (RT)
18029	Sabouraud Agar Modified / Chromatic Candida
20071	Maximum Recovery Diluent 9 mL
20072	Muller Kauffmann Tetrathionate Novobiocin Broth_MKTTn 10 mL
20076	Dey Engley Neutralizing Broth 9 mL
20097	Sterile distilled water 10 mL
20102	Brilliant Green Bile Broth 2%
20106	Lactose Broth 10 mL



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Ref.	Description
20114	Azide Dextrose Broth 10 mL
20122	EC Broth 10 mL
20126	MacConkey Broth (EP-USP) 10 mL
20131/9	Listeria Fraser Broth 9 mL
20140	Purple Lactose Broth 10 mL
20160	Swab Solution Surfaces 5 mL
20199	Steri Test Medium 3 mL
20200	Steri Test VHP Medium (1% Pyr) 4 mL
21097	Sterile distilled water 9 mL
21106	Lactose Broth (Double Concentration) 10 mL
21114	Azide Dextrose Broth (double concentration) 10 mL
21115	Tryptic Soy Broth w Phenol Red 10 mL
21453	Lauryl Sulphate Tryptose Broth (LST) 10 mL
21454	Lauryl Sulphate Tryptose Broth (LST) (Double Concentration) 10 mL
21455	Lauryl Sulphate Tryptose Broth (LST) w/ MUG
24073	Tryptophan Broth 3 mL
24096	EE Broth-Mossel 10 mL
24098	Peptone Water 10 mL
24099	Buffered Peptone Water 10 mL
24101	E.V.A. Broth (Ethyl Violet Azide) 10 mL
24102	Brilliant Green Bile Broth 2% 10 mL
24114	Azide Dextrose Broth 10 mL
24122	EC Broth 10 mL
24126	MacConkey Broth (EP-USP) 10 mL
24131	Listeria Fraser Broth 10 mL
24135	Salmonella Differential Broth 10 mL
24139	Lysine Decarboxylase Broth 10 mL
24140	Purple Lactose Broth 10 mL
24149	MR-VP Broth 10 mL
24151	Purple Glucose Agar 10 mL
24153	Nutrient Gelatin 10 mL
24154	Acetamide Broth 5 mL
24170	Lethen Broth 9 mL
24199	Buffered Peptone Water 9 mL
24202	Restoring Broth 2 mL
24226	MacConkey Broth singled strength 5 mL
24342	Motility Test Medium 10 mL
24343	MIU Semisolid Agar 10 mL
24345	O.F. Medium With Glucose 10 mL
24411	SF Broth 10 mL
24413	Mossel and Martin w Mannitol 10 mL
24414	Azide Dextrose Broth (D.C.) 10 mL
24418	Brucella Broth 10 mL
24431	Yersinia ITC Broth 10 mL
24435	Listeria UVM Broth 10 mL
24440	Sulfate Reducers Broth 10 mL
24445	Tryptic Soy Broth w 15% Glycerol 7 mL
24446	Phenol Red Broth Base 10 mL
24452	Lauryl Sulfate Tryptose Broth Modified (mLST) 10 mL
24456	Tryptose Sulphite Agar 12 mL
24457	Lauryl Sulphate Tryptose Broth (LST) w/ MUG 9 mL
24459	Caso Broth (Double Concentration) 10 mL
24460	Tryptic Soy Broth + 0.3% Lecithin + 2% Tween 80 10 mL
24462	RPMI Broth double strength 9.9 mL
24463	Buffered Peptone Water (Double Concentration) 9 mL
24464	Tryptone Soy Yeast Extract Broth 10 mL



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Ref.	Description
24466	Mineral Modified Glutamate Medium 10 mL
24467	Mineral Modified Glutamate Medium (Double Concentration) 10 mL
24468	Lactose Sulfite Broth 9 mL
24471	Listeria Motility Medium 10 mL
24472	Motility Nitrate CP Medium 10 mL
24474	Tryptone Glucose Broth 10 mL
24481	Lauryl Sulphate Tryptose Broth 9 mL
24482	Glucose OF Medium ISO 21528 10 mL
24483	Cronobacter Selective Broth 10 mL
24484	Preston Broth ISO 10272 10 mL
24485	Selenite Cystine Broth ISO 6579 10 mL
24489	MOPS Buffered Listeria Enrichment Broth
24491	Ringer 1/4 Solution 9 mL
24510	Selenite Cystine Broth 10 mL
25004	Total Coliforms In Water
26071	Maximum Recovery Diluent 9 mL
26072	Muller Kauffmann Tetrathionate Novobiocin Broth 10 mL
26073	Tryptophan Broth 3 mL
26074	Yeast Extract Agar 20 mL
26122	EC Broth 10 mL
26131	Listeria Fraser Broth 10 mL
26342	Motility Test Medium 10 mL
26414	Azide Dextrose Broth (double concentration) 10 mL
26453	Lauryl Sulphate Tryptose Broth (LST) 10 mL
26454	Lauryl Sulphate Tryptose Broth (LST) (Double Concentration) 10 mL
26455	Lauryl Sulphate Tryptose Broth (LST) w/ MUG 3 mL
26456	Tryptose Sulphite Agar 12 mL
26457	Lauryl Sulphate Tryptose Broth (LST) with MUG 9 mL
26466	Mineral-Modified Glutamate Medium 10 mL
26467	Mineral-Modified Glutamate Medium (Double Concentration) 10 mL
26470	Buffered NaCl-Peptone Solution modified pH 7.0 + NT 9 mL
26473	Glucose Yeast Extract Agar 20 mL
26474	Tryptone Glucose Broth 10 mL
26477	Amos Kont Jones Medium 10 mL
26478	MSRV Agar (Semisolid) 20 mL
26482	Glucose OF Medium ISO 21528 10 mL
26486	Alkaline Saline Peptone Water ISO 10 mL
26487	Dextrose Tryptone Broth 9 mL
26488	Swarm Agar 10 mL
26490U	VTM (US version)
26492	Eugon LT SUP 9 mL
27002	Tryptic Soy Broth + 15% Glycerol 1.5 mL
27504	Mueller Hinton II Broth 3.6 mL
27508	Iron depleted Mueller Hinton II Broth 3.6 mL
27509	Iron depleted Mueller Hinton II Broth 4.5 mL
29000	Check-set Broth Irradiated
30040	M 17 Agar 7 mL
30083	Nutrient Agar ISO 16266 7 mL
30089	Kligler Iron Agar (Butt=5cm/Slope=6cm)
30100	Triple Sugar Iron Agar 10 mL
30103	Nutrient Agar ISO 6579
30183	Nutrient Agar 10 mL
30196	Triple Sugar Iron Agar 15 mL
31102	Yeast Extract Agar 7 mL
31151	Purple Glucose Agar 15 mL
31201	Tryptone Sulfite Neomycin Agar 10 mL



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Ref.	Description
31202	King's B Medium 5 mL
31203	King's A Medium 5 mL
33070	Plate Count Agar 7 mL
33085	Bile Aesculin Agar 7 mL
33087	Listeria Palcam Agar 7 mL
33118	IUTM Medium 7 mL
34073	Plate Count Agar 22 mL
34074	Yeast Extract Agar 20 mL
34076	Violet Red Bile Lactose Agar 22 mL
34094	Gelatin Peptone Agar 22 mL
400020	Fluid Thioglycollate Medium (flip-off cap) 100 mL
400040	Buffered Peptone Water EP, USP 100 mL
400110	Fluid A (flip-off cap) 300 mL
400140	Buffered Peptone Water EP, USP 300 mL
400170	Fluid D (flip-off cap) 300 mL
400210	Fluid A (flip-off cap) 1000 mL
400210S	Fluid A Irradiated (flip-off cap) 1000 mL
400230	Tryptic Soy Broth EP, USP 1000 mL
400240	Buffered Peptone Water EP, USP 1000 mL
400260	Bolton Broth 1000 mL
400270	Tryptic Soy Broth + 1% Tween 80 100 mL
400290	Sterile Distilled Water 1000 mL
400300	Sterile Distilled Water 100 mL
400310	Buffered NaCl Peptone Solution pH 7.0 + N (flip-off cap) 1000 mL
401870	Peptone Neutralizing Solution 45 mL
401890	Buffer Solution pH 7 100 mL
401940	Plate Count Agar 150 mL
401950	Milk Agar 150 mL
401960	Gelisato Agar 150 mL
402090	Lactose Broth 100 mL
402110	M 17 AGAR 100 mL
402120	MRS Agar 100 mL
402130	Peptone Water 100 mL
402150	Streptococcal KF Agar 100 mL
402160	MRS Agar pH 5 100 mL
402190	Nutrient Agar ISO 16266 100 mL
402260	Plate Count Agar 100 mL
402340	Desoxycholate Agar 100 mL
402390	Selenite Cystine Broth 100 mL
402410	Buffered NaCl Peptone Solution pH 7.0 100 mL
402460	Violet Red Bile Lactose Agar 100 mL
402470	Malt Extract Agar 100 mL
402480	EE Broth-Mossel (screw cap) 100 mL
402490	MacConkey Broth (EP-USP) 100 mL
402500	Fluid Thioglycollate Medium + 1% Tween 80 100 mL
402520	Tributyrin Agar 100 mL
402540	Violet Red Bile Glucose Agar 100 mL
402550	Rappaport Vassiliadis Soy (RVS) Broth 100 mL
402560	Brilliant Green Bile Broth 2% 100 mL
402580	R2A Agar 100 mL
402590	Maximum Recovery Diluent 100 mL
402600	Legionella BCYE Agar Base 90 mL
402610	YSG Broth 90 mL
402620	Buffered NaCl Peptone Solution pH 7.0 + N 100 mL
402630	Buffered NaCl Peptone Solution pH 7.0 + NT 90 mL
402660	Maximum Recovery Diluent 90 mL



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Ref.	Description
402670	BAT Broth 90 mL
402700	Tryptose Sulfite Cycloserine Agar Base 90 mL
402710	Bacillus Cereus Agar Base 90 mL
402720	Tryptose Sulfite Cycloserine Agar Base 100 mL
402730	Buffered NaCl Peptone Solution pH 7.0 90 mL
402740	Buffered NaCl Peptone Solution pH 7.0 + N 90 mL
402750	Eugon LT SUP 90 mL
403010	Endo Agar 100 mL
403020	m-FC Agar + Rosolic Acid 100 mL
403090	Yeast Glucose Chloramphenicol Agar 100 mL
403110	Muller Kauffmann Tetrathionate Novobiocin Broth 100 mL
403120	Yeast Extract Agar 100 mL
403170	OGYE Agar 100 mL
403180	Iron Sulphite Agar 100 mL ISO 15213-1
403210	D/E Neutralizing Broth 100 mL
403410	Buffered NaCl Peptone Solution pH 7.0 300 mL
403500	Tryptic Soy Broth + Lecithin + Tween 80 90 mL
403600	LPT Diluent Broth 90 mL
403700	MPC-1 Medium 25 mL
403800	Blaurock semi-liquid modified hepatic Medium 25 mL
412090	Buffered Peptone Water 200 mL
412110	Tryptic Soy Broth + 1% Tween 80 200 mL
412120	Yeast Extract Agar 200 mL
412190	Nutrient Agar ISO 16266 200 mL
412260	Plate Count Agar 200 mL
412310	MSRV Agar (Semisolid) 200 mL
412320	MRS Agar 200 mL
412350	Kanamycin Aesculin Azide Agar 200 mL
412390	L.B. Medium 200 mL
412400	Maximum Recovery Diluent 200 mL
412410	Dichloran Rose Bengal CAF Agar 200 mL
412420	Maximum Recovery Diluent 225 mL
412430	Dichloran Glycerol (DG18) Agar 200 mL
412440	Tryptone Soy Yeast Extract Agar 200 mL
412450	VTM 200 mL
412460	D/E Neutralizing Broth 200 mL
412470	Rapid Y/M Agar 200 mL
412510	Dextrose Drink 100 (Orange) not available in EU 200 mL
412511	Dextrose Drink 75 (Orange) not available in EU 200 mL
412512	Dextrose Drink 50 (Orange) not available in EU 200 mL
412516	Dextrose Drink 75 (Lemon) not available in EU 200 mL
412517	Dextrose Drink 50 (Lemon) not available in EU 200 mL
412518	Dextrose Drink 50% (Lemon) not available in EU 150 mL
412720	Tryptose Sulfite Cycloserine Agar Base 200 mL
413050	Neutralizing w/ Saponin 200 mL
413080	Nutrient Agar ISO 6579 200 mL
413090	Yeast Glucose Chloramphenicol Agar 200 mL
413100	Potato Dextrose Agar 200 mL
413120	Triple Sugar Iron Agar 200 mL
413150	Tryptone Glucose Extract Agar 200 mL
413980	Listeria Fraser Broth 225 mL
414000	Demi Fraser Broth 225 mL
414010	Peptone Water pH 8.4 + NaCl 1% 225 mL
414020	Buffered Peptone Water 225 mL
414030	Buffered Peptone Water 90 mL
414080	Bolton Broth (screw cap) 225 mL

Ref.	Description
414090	Listeria Enrichment Broth 225 mL
414110	Tryptic Soy Agar 225 mL
414120	Lethen Modified Broth (screw cap) 225 mL
414130	Alkaline Saline Peptone Water ISO 225 mL
414140	Plate Count Agar w/o Dextrose 200 mL
414150	Bolton Broth 90 mL
414160	Preston Broth 90 mL
414170	Buffered Peptone Water double concentration 225 mL
414180	Preston Broth 225 mL
414190	Sterile Distilled Water 200 mL
414200	Buffered Peptone Water filtered 100 mL
414210	Phosphate Buffered Saline pH 7.0 filtered 100 mL
420010	Baird Parker Agar + RPF Suppl. 90 mL
420110	Baird Parker Agar Base 100 mL
424010	Demi Fraser Broth 90 mL
432090	mTSB with Novobiocin 225 mL
432300	Wort Agar 200 mL
442090	Tryptic Soy Broth + Capitol 4 90 mL
442100	TAT Broth 90 mL
442150	Tryptic Soy Broth + Capitol 4 190 mL
442160	TAT Broth 190 mL
442320	Bile Aesculin Agar 100 mL
442480	Rose Bengal CAF Agar 100 mL
450254	Violet Red Bile Glucose Agar 100 mL
451170	TBX Agar 200 mL
451400	Demi Fraser Broth 225 mL
451402	Buffered Peptone Water 225 mL
451405	Bolton Broth (screw cap) 225 mL
452090	Tryptic Soy Broth + 1% Tween 80 (screw cap) 100 mL
452110	Fluid Thioglycollate Medium (screw cap) 90 mL
452260	Plate Count Agar 100 mL
452320	MRS Agar 200 mL
452340	M 17 Agar 200 mL
452401	Demi Fraser Broth 90 mL
452410	Dichloran Rose Bengal CAF Agar 200 mL
452420	Maximum Recovery Diluent 225 mL
452430	Dichloran Glycerol (DG18) Agar 200 mL
452480	EE Broth-Mossel (screw cap) 100 mL
452490	MacConkey Broth (EP-USP) 100 mL
452500	Fluid Thioglycollate Medium + 1% Tween 80 100 mL
452600	Violet Red Bile Glucose Agar 200 mL
452640	Peptone Water 90 mL
452650	Buffered NaCl Peptone Solution modified pH 7.0 + NT 90 mL
452660	Milk Plate Count Agar 200 mL
452680	Baird Parker Agar Base 200 mL
452690	Orange Serum Agar 200 mL
452700	R2A Agar 200 mL
453010	Fluid A (flip-off cap) 100 mL
453020	Fluid Thioglycollate Medium (flip-off cap) 100 mL
453060	Fluid Thioglycollate Medium (screw cap) 100 mL
453070	Fluid D (flip-off cap) 100 mL
453080	EE Broth-Mossel (flip-off cap) 100 mL
453090	MacConkey Broth (EP-USP) (flip-off cap) 100 mL
453091	Yeast Glucose Chloramphenicol Agar 200 mL
453100	Chromatic Coli Coliform 200 mL
453110	Chromatic Coliform Agar ISO 200 mL



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Ref.	Description
453140	Violet Red Bile Lactose Agar 200 mL
453208	Tryptic Soy Broth 200 mL
453270	Tryptic Soy Broth + 1% Tween 80 (flip-off cap) 100 mL
453280	Fluid Thioglycollate Medium + 1% Tween 80 (flip-off cap) 100 mL
454030	Buffered Peptone Water 90 mL
455210	Sugar Free Agar 100 mL
459503	Fluid A 100 mL
459504	Fluid D 100 mL
461020	Listeria UVM 2 Broth 225 mL
461030	Listeria UVM1 Broth 225 mL
462040	Phosphate Buffer non sterile 250 mL
462260	Plate Count Agar 200 mL
463010	Tryptic Soy Broth + Capitol 4 990 mL
463020	TAT Broth 990 mL
463070	TAT Broth 490 mL
463080	Tryptic Soy Broth + Capitol 4 490 mL
463090	Tryptic Soy Broth 900 mL
463100	Fluid Thioglycollate Medium (screw cap) 900 mL
463110	R2A Agar 500 mL
463120	Milk Plate Count Agar 500 mL
463160	Peptone Neutralizing Solution 250 mL
463170	Neutralizing w/ Saponin 250 mL
463180	Tween 80 2% 600 mL
463190	Phosphate Buffer Solution pH 7.2 1000 mL
463210	Neutralizing w/o Histidine 250 mL
463240	Mueller Hinton II Broth 500 mL
463250	Physiological solution (screw cap) 350 mL
463270	Tryptic Soy Broth 1000 mL
463280	Buffered NaCl Peptone Solution pH 7.0 + N 500 mL
463300	Eugon LT SUP (Perforable) 500 mL
463310	Eugon LT SUP (Perforable) 1000 mL
470031	Violet Red Bile Glucose Agar 500 mL
470060	Nutrient Agar ISO 16266 500 mL
470180	Plate Count Agar 500 mL
470300	Fluid Thioglycollate Medium (wide neck) 500 mL
470320	Peptone Water 500 mL
470340	Bolton Broth 500 mL
470380	MSRV Agar (Semisolid) 500 mL
470400	Physiological Solution 250 mL
471130	Physiological Solution 38 mL
472580	R2A Agar 500 mL
473030	Sterile distilled water 500 mL
481120	Chromatic Coli Coliform 100 mL
481170	TBX Agar 100 mL
481190	Chromatic Coliform Agar ISO 100 mL
492000	Tryptic Soy Broth (Perforable) 100 mL
493000	Fluid Thioglycollate Medium (perforable cap) 100 mL
494000	MacConkey Broth (EP-USP) (perforable cap) 100 mL
495010	Tryptic Soy Broth (crimp cap) 100 mL
495020	Fluid Thioglycollate Medium (crimp cap) 100 mL
495030	Fluid A (screw cap) 100 mL
495040	Fluid D (screw cap) 100 mL
495130	Glycine 3% (Perforable cap) 1000 mL
495140	MRD + Tween + Lecithin modified (Perforable cap) 1000 mL
495150	Fluid A (Perforable cap) 1000 mL
495160	Fluid K (Perforable cap) 900 mL



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Microbiologia Prodotti

Ref.	Description
495170	Fluid A (Perforable cap) 500 mL
495180	TAT Broth (Perforable cap) 500 mL
495190	Fluid D (Perforable cap) 500 mL
495200	Fluid D (Perforable cap) 1000 mL
495210	Sterile Acetate Buffer 20 mM, pH 5.0 (Perforable) 100 mL
495220	Physiological Solution (Perforable cap) 500 mL
495230	Physiological Solution (Perforable cap) 1000 mL
495240	Physiological Solution (Perforable cap) 220 mL
495250	Physiological Solution (Perforable cap) 400 mL
495260	Physiological Solution (Perforable cap) 700 mL
495270	Buffered NaCl Peptone Solution pH 7.0 (Perforable cap) 1000 mL
495300	Fluid A (Perforable cap) 300 mL
499010	Listeria UVM Mod. Broth 3 L bag
499015	Listeria UVM Mod. Broth 5 L bag
499020	Listeria Demi Fraser Broth 3 L bag
499025	Listeria Demi Fraser Broth 5 L bag
499030	Buffered Peptone Water 3 L bag
499035	Buffered Peptone Water 5 L bag
499040	Maximum Recovery Diluent 3 L bag
499045	Maximum Recovery Diluent 5 L bag
499060	Tryptic Soy Broth 3 L bag
499070	Buffered NaCl Peptone Solution pH 7.0 3 L bag
499085	Saline Lactose Broth 5 L bag
525262	Contact Slide 1
525272	Contact Slide 2
525282	CONTACT SLIDE 4
525292	CONTACT SLIDE Chrom 1
525302	Contact Slide 3
525312	CONTACT SLIDE 5
525322	Contact Slide 9 (PCA+TTC+Neutralizing x 2)
525382	CONTACT SLIDE VRBG/TSA
525392	CONTACT SLIDE Chrom 2
525452	Contact Slide 10
525462	CONTACT SLIDE Chrom 3
525472	CONTACT SLIDE TSA + NEUTR./ TSA + NEUTR.
525482	CONTACT SLIDE TSA + NEUTR./ ROSE BENGAL
525622	CONTACT SLIDE 8
525732	Contact Slide DG18 / DG18
53526	Contact Slide 1
53527	Contact Slide 2
53528	CONTACT SLIDE 4
53529	CONTACT SLIDE Chrom 1
53530	Contact Slide 3
53531	Contact Slide 5
53532	CONTACT SLIDE 9 (PCA+TTC+Neutralizing x 2)
53543	CONTACT SLIDE PCA+TTC+NEUTR/D.R.B.C+NEUTR.
53545	CONTACT SLIDE 10
53548	CONTACT SLIDE TSA + NEUTR./ ROSE BENGAL
53562	CONTACT SLIDE 8
610001	Bile Aesculin Azide Agar
6100015	Bile Aesculin Azide Agar
610003	Azide Dextrose Broth
610004	Baird Parker Agar Base
610010	Brilliant Green Bile Broth 2%
6100105	Brilliant Green Bile Broth 2%
610011	POTATO INFUSION AGAR



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Ref.	Description
610014	Desoxycholate Agar
610017	EE Broth-Mossel
610018	MSRV Medium Base
610020	ENDO Agar
6100205	ENDO Agar
610024	MRS Agar
610025	MRS Broth ISO 15214
610030	FERMENTATION BROTH BASE
610031	Listeria UVM 1 Broth
6100315	Listeria UVM 1 Broth
610032	MR-VP Broth
610036	Nutrient Agar ISO 16266
6100365	Nutrient Agar ISO 16266
610038	Peptone Water
610040	Plate Count Agar
6100405	Plate Count Agar
610045	LISTERIA UVM 2 BROTH
610048	Aeromonas Agar Base
610050	Fluid Thioglycollate Medium
6100505	Fluid Thioglycollate Medium
610054	GELATIN PEPTONE AGAR
6100545	GELATIN PEPTONE AGAR
610058	Violet Red Bile Lactose Agar
6100585	Violet Red Bile Lactose Agar
610059	Violet Red Bile Glucose Agar
6100595	Violet Red Bile Glucose Agar
610062	Sulfite Indole Motility agar (SIM agar) acc. to ISO 15213-2:2023
610063	E.C. BROTH
610064	HHD BROTH
610067	MRS-IM Agar + Maltose
610068	MRS-IM Agar + Glucose
610069	Malt Extract Broth
610070	Yeast Glucose Chloramphenicol Agar
6100705	Yeast Glucose Chloramphenicol Agar
610073	Milk Plate Count Agar
6100735	Milk Plate Count Agar
610074	TRYPTONE SULFITE NEOMYCIN AGAR
610076	LETHEEN AGAR BASE
610077	Maximum Recovery Diluent
610078	ORANGE SERUM AGAR
6100785	ORANGE SERUM AGAR
610084	LB Medium (Luria Bertani)
6100845	LB Medium (Luria Bertani)
610085	Lauryl Tryptose Broth
6100855	Lauryl Tryptose Broth
610088	D/E Neutralizing Broth
610089	TRYPTONE GLUCOSE EXTRACT AGAR
610090	Rose Bengal CAF Agar
610091	Demi Fraser Broth
6100915	Demi Fraser Broth
610093	TAT BROTH BASE
610094	MICROBIAL CONTENT TEST AGAR
610099	PHARMACOPUEIA WATER DILUENT
610100	Giolitti Cantoni Broth Base
610101	MALT AGAR
610102	Potato Dextrose Agar

Ref.	Description
6101025	Potato Dextrose Agar
610106	POTATO DEXTROSE BROTH
6101065	POTATO DEXTROSE BROTH
610109	PPLO Broth
610114	Bacillus cereus Agar Base (Mosel)
610119	ANDRADE PEPTONE WATER
610120	MILK AGAR
610126	BEER UNIVERSAL AGAR
610127	Schwarz Differential Medium
610129	R2A AGAR
610132	MOTILITY TEST AGAR
610134	Slanetz Bartley Agar Base
610136	Bacillus cereus Agar Base (PEMBA)
610138	Asparagine Enrichment Broth
610139	Crossley Milk Medium
610140	EMB Agar w/ Lactose + Sucrose
610142	BRYANT AND BURKEY MEDIUM
610144	MRS Broth w/o Glucose
610147	Slanetz Bartley Agar +TTC
6101475	Slanetz Bartley Agar +TTC
610149	MacConkey Broth Modified
610150	Selenite Cystine Broth
610151	BILE AESCULIN BROTH
610154	AZIDE MALTOSE AGAR KF
610156	BARNES AGAR BASE
610159	CPLM Selective w/ CAF
610162	m-FC BROTH
610166	Listeria Fraser Broth
610167	LISTERIA OXFORD AGAR
610171	MacConkey Broth
610173	Malt Extract Agar
610178	Rose Bengal Agar Base
6101785	Rose Bengal Agar Base
610180	S.F. Broth
610184	Tergitol Agar Base
610186	VOGEL JOHNSON AGAR
610187	Violet Red Bile Agar MUG
610189	LAURYL PEPTO BROTH
610190	KANAMYCIN AESCULIN AZIDE AGAR
610192	M17 Agar
610194	PURPLE GLUCOSE AGAR
610196	Tryptic Bile Agar
610198	DEXTROSE TRYPTONE AGAR
610199	m-CP AGAR BASE
610202	O.G.Y.E. AGAR
6102025	O.G.Y.E. AGAR
610207	Clostridium Perfringens Agar Base
610208	Lethen Broth Base
610210	Bile Aesculin Agar
6102105	Bile Aesculin Agar
610215	TRIBUTYRIN AGAR BASE
610216	Bolton Broth
610220	m-ENDO BROTH
610224	TBX Agar
610229	ANTIBIOTIC MEDIUM E
610231	LISTERIA OXFORD AGAR BASE

Ref.	Description
610234	WL Nutrient Agar
610237	DRBC Agar Base
610238	Dichloran Glycerol (DG18) Agar Base
610239	Muller Kauffmann Tetrathionate Broth Base
610241	TRYPTONE SOYA YEAST EXTRACT B.
610245	LB AGAR
610247	Lauryl Sulfate Tryptose Broth Modified (m-LST) ISO 22964
610300	APT AGAR
610301	Bismuth Sulphite Agar
610302	CASEIN PEPTONE LECITHIN POLISORBATE B. BASE
610303	LYSINE DECARBOXYLASE BROTH
610304	OF BASAL MEDIUM
610307	ORANGE SERUM BROTH
610312	Acetamide Agar
610313	Acetamide Broth
610314	Antibiotic Agar N.1
610315	Antibiotic Agar N.11
610316	ANTIBIOTIC BROTH N.3
610317	PA (Presence/Absence) BROTH
610318	LITMUS MILK
610319	PFIZER SELECTIVE ENTEROCOCCUS AGAR
610320	ANAEROBIC AGAR (BREWER)
610321	BROMOCRESOL PURPLE AZIDE BROTH
610322	Nitrate Broth
610323	Wort Agar
610324	BUFFERED LISTERIA ENRICHMENT BROTH
610325	LPT DILUTION BROTH BASE
610326	Listeria ENRICHMENT B.BASE (Lovett)
610328	LETHEEN BROTH BASE MODIFIED ISO 21149
610329	Cosmetic Diluent Of Beerens
610330	NEUTRALIZING FLUID E.P.
610332	E.C. BROTH MUG
610333	NUTRIENT AGAR MUG
610335	Buffered NaCl Peptone Solution pH 7.0
610336	Violet Red Bile Agar w Lactose, Glucose
610337	MacConkey Broth (EP-USP)
610338	Baird Parker Agar Base acc. to EP
610339	TSI Agar
610340	Reinforced Clostridial Medium
610341	Eugon Broth
610342	BUFFERED YEAST EXTRACT BROTH
610343	Mannitol Salt Broth
610345	THERMOACIDURANS AGAR
610346	PE-2 BROTH
610347	Acid Broth
610348	MALT EXTRACT BROTH MODIFIED
610349	TSYE AGAR (Tryptic Soy Yeast Extract Agar)
610350	TRIPLE SUGAR IRON AGAR (TSI)
610352	Modified Tryptone Soya Broth (mTSB)
610353	Chapman Stone Medium
610356	Brucella Broth
610358	Lactose Sulfite Broth
610359	GLUCOSE SALT TEEPOL BROTH
610360	LACTOSE GELATIN MEDIUM
610361	BAT Agar
610362	China-Blue Lactose Agar



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Ref.	Description
610364	Tryptose Phosphate Broth
610366	Gassner Agar
610369	Yersinia ITC Broth Base
610370	Yersinia PSB Broth
610371	Motility Nitrate CP Medium
610373	Brilliant Green Agar w/ Sulfadiazine
610374	Tryptic Soy Agar w/ 1% NaCl
610375	Fraser Broth Base
610376	Dextrose Tryptone Broth
610377	Alkaline Saline Peptone Water ISO
610378	TOS Propionate Agar Base
610379	Membrane Lactose Glucuronide Agar (MLGA)
610380	Microbial Content Test Broth Base
610381	INOCULUM SOLUTION HACCP SYSTEM
610382	Water Detect Coliforms
610385	Nutrient Agar modified
610386	Amos Kont Jones Medium
610387	Bismuth Sulphite Agar ISO 6579-1
610388	Glucose OF Medium ISO 21528
6103885	Glucose OF Medium ISO 21528
610389	Cronobacter Selective Broth
610390	Chromatic Cronobacter Isolation Agar
610392	Acetamide Broth ISO 16266
610393	Nutrient Broth No. 2 ISO 10272-1
610394	Brilliant Green Agar w/ Sulfapyridine
610396	Mineral Modified Glutamate Medium
610397	C-EC MF Agar
610398	Malt Extract Agar w/o Glycerol
610399	DRBC Agar modified
610400	WL Differential Agar
610401	Dichloran Glycerol (DG18) Agar Base w/Chloramphenicol
610403	Tryptic Soy Agar + Lecithin
610404	Wilkins Chalgren Agar
610491	SKIM MILK
6104915	SKIM MILK
610492	POLYPEPTONE
610495	BRAIN HEART INFUSION
610496	Acid Hydrolysate of Casein
610497	Beef Extract
6104975	Beef Extract
610498	LACTOSE
610500	RICE STARCH
610503	LAURYL SULPHATE AGAR
610505	M17 Broth
610506	Cystine Heart Agar
610601	O.A. LISTERIA AGAR
610602	Chromatic EC X-GLUC Agar
610610	Chromatic Coli Coliform
610618	LISTERIA FRASER BROTH II
610623	Enterobacter (Cronobacter) sakazakii Isolation Agar
610628	Chromatic Bacillus Cereus
610630	Chromatic Coliform Agar ISO
610639	Chromatic GBS
610701	Tryptic Soy Broth VEG
610702	Buffered Peptone Water VEG
610703	Maximum Recovery Diluent VEG



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Ref.	Description
610704	Lactose Broth VEG
610705	Buffered NaCl Peptone Solution pH 7.0 VEG
610706	Sabouraud Dextrose Agar VEG
611000	SODIUM CHLORIDE
611001	Agar
6110015	Agar
611002	GELATIN BACTERIOLOGICAL
611003	SODIUM SELENITE
611004	Tryptone
6110045	Tryptone
611005	Yeast Extract
6110055	Yeast Extract
611006	Malt Extract
6110065	Malt Extract
611008	TRYPTOSE
6110085	TRYPTOSE
611011	ENDO AGAR LES
611012	m-FC AGAR BASE
6110125	m-FC AGAR BASE
611014	Buffered Peptone Water
6110145	Buffered Peptone Water
611015	Sierra Lipolytic Agar
611016	Yeast Extract Agar
611017	Mannitol
611202	Lactose Broth
6112025	Lactose Broth
611214	NUTRIENT GELATIN
611365	E.V.A.BROTH(ETHYL VIOLAZIDE)
611367	BILE BACTERIOLOGICAL
611401	Iron Sulphite Agar ISO 15213-1
611502	CASEIN PEPTONE
611503	GELATINE PANCREATIC PEPTONE
611601	Glucose
6116015	Glucose
611602	Maltose
611701	PEPTONE BACTERIOLOGICAL
6117015	PEPTONE BACTERIOLOGICAL
611706	HEMOGLOBIN
611801	SUCROSE
611901	BILE SALT N.3
6119015	BILE SALT N.3
612001	LIVER EXTRACT
6120015	LIVER EXTRACT
612101	PEPTONE MYCOLOGICAL
612201	PROTEOSE PEPTONE
612202	Streptococcus Selective Agar
612401	SODIUM DESOXYCHOLATE
6124015	SODIUM DESOXYCHOLATE
612501	SOY PEPTONE
6125015	SOY PEPTONE
620001	Bile Aesculin Azide Agar
620003	Azide Dextrose Broth
620004	BAIRD PARKER AGAR BASE
620010	Brilliant Green Bile Broth 2%
620017	EE Broth-Mossel (Harm.EP)
620018	MSRV Medium Base



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Ref.	Description
620020	ENDO AGAR
620024	MRS Agar
620025	MRS Broth ISO 15214
620031	LISTERIA UVM 1 BROTH
620032	MR-VP Broth
620036	Nutrient Agar ISO 16266
620038	Peptone Water
620040	Plate Count Agar
620048	Aeromonas Agar Base
620050	Fluid Thioglycollate Medium
620058	Violet Red Bile Lactose Agar
620059	Violet Red Bile Glucose Agar
620062	Sulfite Indole Motility agar (SIM agar) acc. to ISO 15213-2:2023
620063	E.C. BROTH
620069	Malt Extract Broth
620070	Yeast Glucose Chloramphenicol Agar
620073	Milk Plate Count Agar
620074	TRYPTONE SULFITE NEOMYCIN AGAR
620076	LETTEEN AGAR BASE
620077	Maximum Recovery Diluent
620078	ORANGE SERUM AGAR
620084	LB MEDIUM (Luria Bertani)
620085	Lauryl Tryptose Broth
620089	TRYPTONE GLUCOSE EXTRACT AGAR
620090	Rose Bengal CAF Agar
620091	Demi Fraser Broth
620099	PHARMACOPOEIA WATER DILUENT
620100	Giolitti Cantoni Broth Base
620101	MALT AGAR
620102	POTATO DEXTROSE AGAR
620106	POTATO DEXTROSE BROTH
620114	Bacillus cereus Agar Base (Mossel)
620126	BEER UNIVERSAL AGAR
620129	R2A AGAR
620132	MOTILITY TEST AGAR
620134	Slanetz Bartley Agar Base
620136	BACILLUS CEREUS AGAR BASE (PEMBA)
620138	Asparagine Enrichment Broth
620142	BRYANT AND BURKEY MEDIUM
620147	Slanetz Bartley Agar +TTC
620150	Selenite Cystine Broth
620151	BILE AESCULIN BROTH
620154	AZIDE MALTOSE AGAR KF
620166	Listeria Fraser Broth
620167	LISTERIA OXFORD AGAR
620171	MacConkey Broth
620173	Malt Extract Agar
620178	Rose Bengal Agar Base
620180	S.F. BROTH
620184	TERGITOL AGAR BASE
620186	VOGEL JOHNSON AGAR
620187	Violet Red Bile Agar MUG
620189	LAURYL PEPTO BROTH
620190	KANAMYCIN AESCULIN AZIDE AGAR
620192	M17 Agar
620194	PURPLE GLUCOSE AGAR



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Reg. Soc. Tribunale di Teramo 3124
P.I. e C.F. 00530130673
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Ref.	Description
620199	m-CP AGAR BASE
620202	O.G.Y.E. AGAR
620207	Clostridium Perfringens Agar Base
620210	BILE AESCULIN AGAR
620216	Bolton Broth
620224	TBX Agar
620234	WL NUTRIENT AGAR
620237	DRBC Agar Base
620239	Muller Kauffmann Tetrathionate Broth Base
620241	TRYPTONE SOY YEAST EXTRACT B.
620303	LYSINE DECARBOXYLASE BROTH
620313	Acetamide Broth
620330	NEUTRALIZING FLUID E.P.
620346	PE-2 BROTH
620349	TSYE(Tryptic Soy Yeast Extract Agar)
620350	TRIPLE SUGAR IRON AGAR (TSI)
620388	Glucose OF Medium ISO 21528
620497	BEEF EXTRACT
620505	M17 Broth
620601	O.A. LISTERIA AGAR
620602	Chromatic EC X-GLUC Agar
620610	Chromatic Coli Coliform
620630	Chromatic Coliform Agar ISO
621001	Agar
621005	YEAST EXTRACT
621006	Malt Extract
621011	ENDO AGAR LES
621012	m-FC AGAR BASE
621014	Buffered Peptone Water
621016	Yeast Extract Agar
621202	Lactose Broth
621365	E.V.A.BROTH(ETHYL VIOLAZIDE)
621367	BILE BACTERIOLOGICAL
621401	Iron Sulphite Agar ISO 15213-1
621601	Glucose
621701	PEPTONE BACTERIOLOGICAL
630600	Water Detect Coliforms
630601	WATER DETECT COLIFORMS 100 mL
630602	Water Detect Coliforms
640001	MAIA SALTS
70019	Legionella anisa NCTC 11974
70020	Clostridium bifermentans NCTC 506
70021	Aspergillus brasiliensis NCPF 2275
70022	Bacillus cereus NCTC 10320
70023	Bacillus subtilis subsp. spizizenii NCTC 10400
70024	Candida albicans NCPF 3179
70025	Enterococcus faecalis NCTC 775
70026	Enterococcus faecalis NCTC 12697
70027	Escherichia coli NCTC 12241
70028	Escherichia coli NCTC 12923
70029	Listeria innocua NCTC 11288
70030	Listeria ivanovii subsp.ivanovii NCTC 11846
70031	Listeria monocytogenes NCTC 13627
70032	Clostridium sporogenes NCTC 276
70033	Pseudomonas aeruginosa NCTC 12903
70034	Pseudomonas aeruginosa NCTC 12924

Ref.	Description
70035	Rhodococcus equi NCTC 1621
70036	Saccharomyces cerevisiae NCTC 10716
70037	Salmonella enterica subsp. enterica serovar Typhimurium NCTC 12023
70039	Staphylococcus aureus NCTC 12493
70040	Staphylococcus aureus NCTC 12981
70041	Staphylococcus aureus subsp. aureus NCTC 12973
70043	Staphylococcus aureus subsp. aureus NCTC 13373
70044	Staphylococcus aureus NCTC 10788
70045	Staphylococcus epidermidis NCTC 13360
70046	Streptococcus agalactiae NCTC 8181
70047	Streptococcus pneumoniae NCTC 12977
70048	Streptococcus pyogenes NCTC 12696
70049	Escherichia coli NCTC 13353
70050	Yersinia enterocolitica subsp. enterocolitica NCTC 12982
70051	Acinetobacter baumannii NCTC 13301
70052	Legionella pneumophila subsp. pneumophila NCTC 11192
70053	Clostridium perfringens NCTC 08237
70054	Salmonella enterica subsp. enterica serovar Typhimurium NCTC 74
70055	Acinetobacter baumannii NCTC 13302
70056	Vibrio parahaemolyticus NCTC 10903
70059	Clostridium sordellii NCTC 13356
70060	Listeria monocytogenes NCTC 13372
70061	Streptococcus bovis NCTC 8177
70062	Streptococcus mutans NCTC 10449
70064	Streptococcus sanguinis NCTC 7863
70070	Klebsiella pneumoniae subsp. pneumoniae NCTC 13368
70072	Candida albicans NCPF 3939
70074	Neisseria gonorrhoeae NCTC 8375
70076	Haemophilus influenzae NCTC 12975
70077	Haemophilus influenzae NCTC 12699
70078	Bacteroides fragilis NCTC 9343
70080	Lactobacillus acidophilus NCTC 12980
70082	Lactococcus lactis subsp. lactis NCTC 6681
70083	Proteus mirabilis NCTC 11938
70084	Salmonella enterica subsp. enterica serovar Enteritidis NCTC 12694
70085	Listeria monocytogenes NCTC 10527
70086	Campylobacter jejuni subsp. jejuni NCTC 13367
70089	Klebsiella pneumoniae subsp. pneumoniae NCTC 9633
70090	Clostridium difficile NCTC 11209
70094	Plesiomonas shigelloides NCTC 10360
70095	Clostridium sporogenes NCTC 532
70096	Micrococcus luteus NCTC 7743
70099	Gardnerella vaginalis NCTC 10915
70101	Listeria grayi NCTC 10812
70102	Micrococcus luteus NCTC 2665
70103	Moraxella (Branhamella) catarrhalis NCTC 11020
70104	Neisseria gonorrhoeae NCTC 12700
70108	Pseudomonas aeruginosa NCTC 10332
70109	Pseudomonas aeruginosa NCTC 13359
70110	Pseudomonas fluorescens NCTC 10038
70111	Bacteroides ovatus NCTC 11153
70112	Clostridium histolyticum NCTC 503
70113	Bacteroides fragilis NCTC 10581
70114	Actinomyces odontolyticus NCTC 9935
70115	Enterococcus faecalis NCTC 13763
70119	Aeromonas hydrophila NCTC 8049

Ref.	Description
70120	Haemophilus influenzae NCTC 13377
70121	Serratia marcescens NCTC 13382
70126	Staphylococcus haemolyticus NCTC 11042
70127	Streptococcus anginosus NCTC 10713
70132	Salmonella enterica subsp. enterica serovar abony NCTC 6017
70133	Staphylococcus xylosus NCTC 11043
70134	Prevotella melaninogenica NCTC 12963
70136	Haemophilus influenzae NCTC 8468
70137	Staphylococcus aureus subsp. aureus NCTC 10655
70138	Cronobacter sakazakii NCTC 11467
70139	Bordetella bronchiseptica NCTC 8344
70142	Haemophilus influenzae NCTC 8469
70144	Vibrio alginolyticus NCTC 12160
70145	Campylobacter jejuni subsp. jejuni NCTC 11351
70147	Burkholderia cepacia NCTC 10743
70148	Listeria monocytogenes NCTC 7973
70149	Stenotrophomonas maltophilia NCTC 10257
70151	Legionella pneumophila subsp. fraseri NCTC 11233
70153	Staphylococcus saprophyticus NCTC 7292
70154	Salmonella enterica subsp. arizonae NCTC 8297
70155	Bacillus cereus NCTC 7464
70156	Enterobacter aerogenes NCTC 10006
70157	Fluoribacter bozemanii NCTC 11368
70159	Citrobacter freundii NCTC 9750
70160	Haemophilus influenzae NCTC 4560
70162	Porphyromonas gingivalis NCTC 11834
70163	Escherichia coli NCTC 11954
70165	Peptostreptococcus anaerobius NCTC 11460
70167	Campylobacter jejuni subsp. jejuni NCTC 11322
70168	Yersinia enterocolitica subsp. enterocolitica NCTC 10598
70169	Aeromonas hydrophila NCTC 12902
70171	Enterococcus faecium NCTC 7171
70173	Enterococcus faecalis NCTC 13379
70174	Acinetobacter baumannii NCTC 12156
70176	Haemophilus influenzae NCTC 8143
70182	Staphylococcus aureus subsp. aureus NCTC 6571
70186	Streptococcus salivarius subsp. thermophilus NCTC 12958
70187	Erysipelothrix rhusiopathiae NCTC 8163
70188	Listeria monocytogenes NCTC 10357
70189	Nocardia brasiliensis NCTC 11294
70190	Proteus hauseri NCTC 4175
70192	Klebsiella pneumoniae subsp. pneumoniae NCTC 13635
70202	Staphylococcus epidermidis NCTC 11047
70203	Geobacillus stearothermophilus NCTC 10007
70209	Lactobacillus delbrueckii subsp. bulgaricus NCTC 12712
71640	Listeria System 18 R
71655	HACCP-SYSTEM Plus
71671	Copro System AST
71680	Food System
71708	CODE BOOK OXI/FERMENTATION-TEST
71709	CODE BOOK ENTEROPLURI TEST
71710	Enterosystem 18R Codebook
72593	Mycoplasma System VET
75009U	ComASP Cefiderocol 0.008-128 (US version)
75101	ComASP Antifungal
77002	Blood AD Clindamycin 0.03-32

Ref.	Description
77062	Blood AD Clindamycin 0.03-32
78001	ComASP ATM-CZA
78618U	EnteroPluri-Test (US version)
78619U	EnteroPluri-Test (US version)
79640	Listeria System 18 R
79655	HACCP SYSTEM Plus
79671	COPRO SYSTEM AST
79680	FOOD SYSTEM
79700	MAIA Pesticide MultiTest
79701	MAIA STARTER + MEDIUM
80007	LECITHIN supplement (10%)
80008	LETHEEN supplement
80009	IODINE MKIT SOLUTION
80021	GLYCEROL supplement
80022	POTASSIUM TELLURITE 1% suppl.
80031	TWEEN 80 supplement
80032	TWEEN 20 supplement
80035	TERGITOL 0.2% supplement
80042	TERGITOL 1.5% supplement
80100	Neutralizing Solution 100 mL
80120	Eugon Supplement
80122	Egg Yolk Tellurite Emulsion
80123	Egg Yolk Tellurite Emulsion 20%
80125	Egg Yolk Tellurite Emulsion 100 mL
80257	Listeria System 18R REAGENTS
80291	POTASSIUM TELLURITE 3.5% suppl.
80300	TTC 1% supplement
80301	GLYCERYL TRIBUTYRATE
80302	TTC 0.05% supplement
80303	Lactic Acid 10% Solution
80304	Listeria Fraser Supplement (liquid) 5 mL
80305	Tergitol
80351	Rapid Antibiotic Test
80355	MIRA Test
80356	MeRA Test
80400	McFARLAND 0.5 BARIUM SULPHATE STANDARD
80401	McFARLAND 1 BARIUM SULPHATE STANDARD
80402	McFARLAND 2 BARIUM SULPHATE STANDARD
80403	McFARLAND 3 BARIUM SULPHATE STANDARD
80404	McFARLAND 4 BARIUM SULPHATE STANDARD
80405	McFARLAND STANDARD SET
80422	POTASSIUM TELLURITE 1% suppl.
80430	TTC 1% supplement
80431	TWEEN 80 supplement
80432	TWEEN 20 supplement
80435	TERGITOL 0.2% supplement
81001	Ampicillin supplement
81002	Legionella (BMPA) supplement
81011	Clostridium perfringens (T.S.C.) supplement
81016	Bacillus cereus supplement
81018	OGYE supplement
81021	Novobiocin supplement
81027	Listeria Oxford supplement
81028	Listeria Fraser supplement
81029	Rosolic acid supplement
81030	Kanamycin supplement

Ref.	Description
81031	Kanamycin/Polimixin B supplement
81034	m-CP supplement
81042	Listeria Fraser supplement (1125mg)
81043	Half Fraser supplement
81044	Modified Listeria Enrichment supplement
81045	Listeria Enrichment supplement (FDA/IDF)
81046	Fraser Supplement
81049	CFC (Pseudomonas) supplement
81057	R.P.F. supplement ISO 6888-2
81059	Ringer's Solution
81064	Vancomycin (5mg) supplement
81070	m-CP Supp.A Phenolphthalein diphosphate (10)
81071	m-CP Supp.B Ferric chloride
81072	m-CP Supp.C Indoxyl B-D-Glucoside
81073	Novobiocin MKTT Supplement
81074	O.A. Listeria supplement
81076	VCC Selective supplement
81077	Campylobacter C.T.V.A. supplement
81086	VCC Mod Selective supplement
81092	Yersinia ITC supplement
81094	Dicloxacillin supplement
81095	Sulfamethazine supplement
81097	Chromatic Bacillus Cereus supplement
81098	D-Cycloserine 4-MUP supplement
81100	Preston supplement ISO 10272-1
81101	MUP selective supplement
81103	Chromatic GBS supplement
81628A	Listeria Fraser supplement (FAC-NA)
81629	Listeria Oxford w CEF-FOS-COL-CYC-ACR supplement
82002	Suspension Spore GST E8
82003	SUSPENSION SPORE GST E7 <SUSPENSION SPORE GST E7>
82004	SUSPENSION SPORE GST E6 <SUSPENSION SPORE GST E6>
82005	SUSPENSION SPORE GST E5 <SUSPENSION SPORE GST E5>
82006	SUSPENSION SPORE BAT E10 <SUSPENSION SPORE BAT E10>
82007	SUSPENSION SPORE BAT E9 <SUSPENSION SPORE BAT E9>
82008	SUSPENSION SPORE BAT E8 <SUSPENSION SPORE GST E8>
82009	SUSPENSION SPORE BAT E7 <SUSPENSION SPORE BAT E7>
82010	SUSPENSION SPORE BAT E6 <SUSPENSION SPORE BAT E6>
82011	SUSPENSION SPORE BAT E5 <SUSPENSION SPORE BAT E5>
82012	SUSPENSION SPORE BAS E8 <SUSPENSION SPORE BAS E8>
82013	SUSPENSION SPORE BAS E7 <SUSPENSION SPORE BAS E7>
82014	SUSPENSION SPORE BAS E6 <SUSPENSION SPORE BAS E6>
82015	SUSPENSION SPORE BAS E5 <SUSPENSION SPORE BAS E5>
82016	SUSPENSION SPORE PUM E8 <SUSPENSION SPORE PUM E8>
82017	SUSPENSION SPORE PUM E7 <SUSPENSION SPORE PUM E7>
82018	SUSPENSION SPORE PUM E6 <SUSPENSION SPORE PUM E6>
82019	SUSPENSION SPORE BAS E10 <SUSPENSION SPORE BAS E10>
82020	SUSPENSION SPORE BAS E9 <SUSPENSION SPORE BAS E9>
82030	SUSPENSION SPORE GST VHP E8 <SUSPENSION SPORE GST VHP E8>
82031	SUSPENSION SPORE GST VHP E7 <SUSPENSION SPORE GST VHP E7>
82032	SUSPENSION SPORE GST VHP E6 <SUSPENSION SPORE GST VHP E6>
82033	SUSPENSION SPORE GST VHP E5 <SUSPENSION SPORE GST VHP E5>
82035	SUSPENSION SPORE CSP E8 <SUSPENSION SPORE CSP E8>
82112	SUSPENSION SPORE BAS E8 100 ml <SUSPENSION SPORE BAS E8 >
824000	HygiHand - hand sanitizing gel - 70% alcohol 200 mL
824010	HygiHand - hand sanitizing gel - 70% alcohol 500 mL

Ref.	Description
824020	HygiHand - hand sanitizing gel - 70% alcohol 1000 mL
824030	HygiHand - hand sanitizing gel - 70% alcohol 5000 mL
824040	HygiHand - hand sanitizing gel - 70% alcohol 80 mL
824050	HygiHand-S - hand sanitizing spray - 70% alcohol 100 mL
826000	Acqua Depurata F.U. 1000 mL
827670	Acqua ossigenata 6 volumi 750 mL
829000P	Hygiderm (Acqua Ossigenata, Soluzione diluita al 3% - 10 Vol) 250 mL
829000PA	Hygiderm (Acqua Ossigenata, Soluzione diluita al 3% - 10 Vol) 250 mL
829011P	Hygiderm (Acqua Ossigenata, Soluzione diluita al 3% - 10 Vol) 1000 mL
85400	Peptone Solution + Neutralizing
85601	ESC swab Neutralizing Rinse Solution 10 mL
85602	ESC swab Neutralizing Rinse Solution 5 mL
85603	ESC swab Buffered Peptone Water 10 mL
85604	ESC swab Buffered Peptone Water 5 mL
85605	ESC swab D/E Neutralizing Broth 10 mL
85606	ESC swab D/E Neutralizing Broth 5 mL
85607	ESC swab Lethen Broth 10 mL
85608	ESC swab Lethen Broth 5 mL
85609	ESC swab Maximum Recovery Diluent 10 mL
85610	ESC swab Maximum Recovery Diluent 5 mL
85612	ESC swab Mycoplasma Transport Broth 5 mL
85614	ESC swab Demi Fraser Broth 10 mL
85615	ESC swab BPW + Neutralizing 4 mL
85621	ESC swab Lethen Broth 1 mL
85622	ESC swab Neutralizing Rinse Solution 1 mL
85623	ESC swab BPW + Neutralizing 1 mL
85701	LIM Broth 2 mL
86001	Clean Test
86001/3	Clean Test
86100	Contam Swab Contamination
86101	Contam Swab E.coli Coliforms
86102	Contam Swab Listeria
86103	Contam Swab Salmonella
86104	Contam Swab MRSA
86105	Contam Swab Yeasts/Moulds
87500	Easy Dry Chromatic Coliform ISO
87501	Easy Dry Plate Count + TTC
87502	Easy Dry Violet Red Bile Glucose
87503	Easy Dry TBX
87504	Easy Dry m-Endo LES
87505	Easy Dry Pseudomonas CN
87506	Easy Dry m-Faecal Coliform
87507	Easy Dry Slanetz Bartley
87508	Easy Dry Bile Aesculin Azide
87509	Easy Dry Streptococcal KF + TTC
87510	Easy Dry Sabouraud Dextrose
87511	Easy Dry M-Green Yeast & Mold
87512	Easy Dry Tryptic Soy
87513	Easy Dry Yeast Extract
87514	Easy Dry MacConkey
87515	Easy Dry Chromatic Salmonella
87516	Easy Dry C-EC MF
87517	Easy Dry Tergitol
87518	Easy Dry Tergitol + TTC
87519	Easy Dry Chromatic Coli Coliform
87520	Easy Dry Orange Serum

Ref.	Description
87523	Easy Dry R2A
89501	Aspergillus brasiliensis ATCC * 16404
89502	Bacillus cereus ATCC * 10876
89503	Bacillus subtilis subsp. spizizenii ATCC * 6633
89506	Brevundimonas diminuta ATCC * 19146
89507	Burkholderia cepacia ATCC * 25416
89508	Candida albicans ATCC * 10231
89513	Clostridium sporogenes ATCC * 11437
89514	Clostridium sporogenes ATCC * 19404
89516	Enterobacter aerogenes ATCC * 13048
89517	Enterococcus faecalis ATCC * 29212
89519	Escherichia coli ATCC * 8739
89521	Geobacillus stearothermophilus ATCC * 12980
89522	Geobacillus stearothermophilus ATCC * 7953
89523	Kocuria rhizophila ATCC * 9341
89524	Lactobacillus fermentum ATCC * 9338
89525	Listeria monocytogenes ATCC * 19115
89526	Micrococcus luteus ATCC * 4698
89527	Pseudomonas aeruginosa ATCC * 27853
89528	Pseudomonas aeruginosa ATCC * 9027
89530	Salmonella enterica subsp. enterica serovar Typhimurium ATCC * 13311
89531	Salmonella enterica subsp. enterica serovar Typhimurium ATCC * 14028
89533	Staphylococcus aureus subsp. aureus ATCC * 25923
89534	Staphylococcus aureus subsp. aureus ATCC * 6538P
89535	Staphylococcus aureus subsp. aureus ATCC * 6538
89537	Staphylococcus epidermidis ATCC * 12228
89538	Streptococcus pyogenes ATCC * 19615
9023	Colistin sulfate CS 10 µg
9023/1	Colistin sulfate CS 10 µg
9023/2	Colistin sulfate CS 10 µg
9041	Sulfafurazole SF 300 µg
9041/1	Sulfafurazole SF 300 µg
9041/2	Sulfafurazole SF 300 µg
91012	STERIL CONTROL CSP E6 AMPOULES
91013	STERIL CONTROL CSP E2 AMPOULES
91040	STERIL CONTROL GST E6 AMPOULES
91043	STERIL CONTROL BAS E6 AMPOULES
91046	STRIP CONTROL PUM E2 <STRIP CONTROL PUM E2>
91048	OXI CONTROL E4 PLX <OXI CONTROL E4 PLX>
91050	STERIL CONTROL GST E6 AMPOULES <STERIL CONTROL GST E6>
91052	Steril Control GST E5 Ampoules <STERIL CONTROL GST E5>
91054	STERIL CONTROL GST E4 AMPOULES <STERIL CONTROL GST E4 >
91055	STRIP CONTROL GST E6 <STRIP CONTROL GST E6>
91056	STRIP CONTROL GST E5 <STRIP CONTROL GST E5>
91057	STRIP CONTROL GST E4 <STRIP CONTROL GST E4>
91058	STRIP CONTROL GST E3 <STRIP CONTROL GST E3>
91059	STRIP CONTROL BAT E8 <STRIP CONTROL BAT E8>
91060	STRIP CONTROL GST E8 <STRIP CONTROL GST E8>
91062	STRIP CONTROL BAT E7 <STRIP CONTROL BAT E7>
91063	STRIP CONTROL BAT E6 <STRIP CONTROL BAT E6>
91064	STRIP CONTROL BAT E5 <STRIP CONTROL BAT E5>
91065	STRIP CONTROL BAT E4 <STRIP CONTROL BAT E4>
91066	STRIP CONTROL BAT E3 <STRIP CONTROL BAT E3>
91067	STRIP CONTROL BAT E6(Strips) <STRIP CONTROL BAT E6>
91069	STRIP CONTROL BAT E2
91071	STRIP CONTROL PUM E7 <STRIP CONTROL PUM E7>

Ref.	Description
91072	STRIP CONTROL PUM E6 <STRIP CONTROL PUM E6>
91073	STRIP CONTROL PUM E5 <STRIP CONTROL PUM E5>
91074	STRIP CONTROL PUM E4 <STRIP CONTROL PUM E4>
91075	STRIP CONTROL PUM E3 <STRIP CONTROL PUM E3>
91079	OXI CONTROL E2 SS <OXI CONTROL E2 SS>
91080	OXI CONTROL E3 SS <OXI CONTROL E3 SS>
91081	OXI CONTROL E4 SS <OXI CONTROL E4 SS>
91082	OXI CONTROL E6 SS <OXI CONTROL E6 SS>
91083	OXI CONTROL E5 SS <OXI CONTROL E5 SS>
91085	OXI CONTROL E6 PLX <OXI CONTROL E6 PLX>
91086	OXI CONTROL E5 PLX <OXI CONTROL E5 PLX>
91087	STEAM CONTROL GST E6 SS <STEAM CONTROL GST E6 SS>
91088	OXI CONTROL E6 STRIP <OXI CONTROL E6 STRIP>
91089	OXI CONTROL E5 STRIP <OXI CONTROL E5 STRIP>
91091	STEAM CONTROL GST E6 SS (BA coupons) <STEAM CONTROL GST E6 SS>
91092	OXI CONTROL E6 PVC <OXI CONTROL E6 PVC>
91093	OXI CONTROL E3 12980 SS <OXI CONTROL E3 12980 SS>
91096	OXI CONTROL E6 GLASS <OXI CONTROL E6 GLASS>
91097	Steam Control GST E6 SS (coupons) <STEAM CONTROL GST E6 SS>
91098	OXI CONTROL E6 ALUMINIUM <OXI CONTROL E6 ALUMINIUM>
91100	STERILtest GST E6
91101	STERILtest GST E5
91111	SS CONTROL BAT E6 <SS CONTROL BAT E6>
91113	SS CONTROL BAT E3 <SS CONTROL BAT E3>
91150	STERILtest BAT E6
91151	STERILtest BAT E5
91155	STRIP CONTROL GST E6 (Strips) <STRIP CONTROL GST E6>
91158	STRIP CONTROL GST E3 (Strip) <STRIP CONTROL GST E3>
91166	STRIP CONTROL BAT E3 (Strips) <STRIP CONTROL BAT E3>
91169	Strip Control BAT E2 (Strips) <STRIP CONTROL BAT E2>
91172	STRIP CONTROL PUM E6 (Strip) <STRIP CONTROL PUM E6>
91179	OXI CONTROL E2 SS (coupons) <OXI CONTROL E2 SS>
91180	OXI CONTROL E3 SS (coupons) <OXI CONTROL E3 SS>
91181	OXI CONTROL E4 SS (coupons) <OXI CONTROL E4 SS>
91182	OXI CONTROL E6 SS (coupons) <OXI CONTROL E6 SS>
91183	OXI CONTROL E5 SS (coupons) <OXI CONTROL E5 SS>
91192	OXI CONTROL E6 PVC <OXI CONTROL E6 PVC>
91193	OXI CONTROL E3 12980 SS (coupons) <OXI CONTROL E3 12980 SS>
91195	OXI CONTROL E6 12980 SS (coupons) <OXI CONTROL E6 12980 SS>
91196	OXI CONTROL E6 GLASS <OXI CONTROL E6 GLASS>
91210	STERIL CONTROL GST E6 AMPOULES <STERIL CONTROL GST E6>
9125/3	Gentamicin CN 30 µg
91251	Steril Control GST E5 Ampoules <STERIL CONTROL GST E5>
91253	STERIL CONTROL GST E4 AMPOULES <STERIL CONTROL GST E4>
9141	Colistin Sulfate CS 30 IU
9141/1	Colistin Sulfate CS 30 IU
9141/2	Colistin Sulfate CS 30 IU
9159/3	Piperacillin PRL 30 µg
9161	Quinupr-dalfopristin QDA 15 µg
9161/1	Quinupr-dalfopristin QDA 15 µg
9161/2	Quinupr-dalfopristin QDA 15 µg
9184	Colistin sulfate CS 25 µg
9184/1	Colistin sulfate CS 25 µg
9184/2	Colistin sulfate CS 25 µg
92013	Enrofloxacin ENR 0.002-32
920130	Enrofloxacin ENR 0.002-32

Ref.	Description
920131	Enrofloxacin ENR 0.002-32
9203/3	Cefotaxime+Clavulanic acid+Cloxacillin CTLC
92059	Ceftizoxime CZX 0.002-32
920590	Ceftizoxime CZX 0.002-32
920591	Ceftizoxime CZX 0.002-32
9206/3	Ceftazidime-avibactam CZA 14 µg
92061	Florfenicol FFC 0.016-256
920610	Florfenicol FFC 0.016-256
920611	Florfenicol FFC 0.016-256
92062	Marbofloxacin MAR 0.002-32
920620	Marbofloxacin MAR 0.002-32
920621	Marbofloxacin MAR 0.002-32
92073	Paromomycin PAR 0.064-1024
920730	Paromomycin PAR 0.064-1024
920731	Paromomycin PAR 0.064-1024
9208	Flumequine UB 30 µg
9208/1	Flumequine UB 30 µg
9208/2	Flumequine UB 30 µg
92089	Aztreonam-avibactam AZA 0.016/4-256/4
920890	Aztreonam-avibactam AZA 0.016/4-256/4
920891	Aztreonam-avibactam AZA 0.016/4-256/4
9209/3	Nitroxoline NI 30 µg
92091	Rezafungin RZF 0.002-32
920910	Rezafungin RZF 0.002-32
920911	Rezafungin RZF 0.002-32
92098	Cefepime-enmetazobactam FPE 0.004/8-64/8
920980	Cefepime-enmetazobactam FPE 0.004/8-64/8
920981	Cefepime-enmetazobactam FPE 0.004/8-64/8
92113	Piperacillin-tazobactam TZP 0.064/4-1024/4
921130	Piperacillin-tazobactam TZP 0.064/4-1024/4
921131	Piperacillin-tazobactam TZP 0.064/4-1024/4
92141	Colistin CS 0.016-256
921410	Colistin CS 0.016-256
921411	Colistin CS 0.016-256
92142	Colistin CS 0.064-1024
921420	Colistin CS 0.064-1024
921421	Colistin CS 0.064-1024
9220/3	Cefepime FEP 10 µg
92200	Tiamulin TIA 0.002-32
922000	Tiamulin TIA 0.002-32
922001	Tiamulin TIA 0.002-32
92201	Tilmicosin TIL 0.002-32
922010	Tilmicosin TIL 0.002-32
922011	Tilmicosin TIL 0.002-32
9228	Clavulanic acid CLA 1 µg
9228/1	Clavulanic acid CLA 1 µg
9228/2	Clavulanic acid CLA 1 µg
9229	Clavulanic acid CLA 2 µg
9229/1	Clavulanic acid CLA 2 µg
9229/2	Clavulanic acid CLA 2 µg
9230	Clavulanic acid CLA 5 µg
9230/1	Clavulanic acid CLA 5 µg
9230/2	Clavulanic acid CLA 5 µg
9231	Clavulanic acid CLA 10 µg
9231/1	Clavulanic acid CLA 10 µg
9231/2	Clavulanic acid CLA 10 µg

Ref.	Description
9233	Enrofloxacin ENR 5 µg
9233/1	Enrofloxacin ENR 5 µg
9233/2	Enrofloxacin ENR 5 µg
9234	Florfenicol FFC 30 µg
9234/1	Florfenicol FFC 30 µg
9234/2	Florfenicol FFC 30 µg
9236	Cefuroxime CXM 5 µg
9236/1	Cefuroxime CXM 5 µg
9236/2	Cefuroxime CXM 5 µg
9237	Eravacycline ERV 50 µg
9237/1	Eravacycline ERV 50 µg
9237/2	Eravacycline ERV 50 µg
9241	Penicillin G 1+ Clavulanic acid 10 PC 10 µg
9249	Lefamulin LMU 5 µg
9249/1	Lefamulin LMU 5 µg
9249/2	Lefamulin LMU 5 µg
9250	Lefamulin LMU 20 µg
9250/1	Lefamulin LMU 20 µg
9250/2	Lefamulin LMU 20 µg
9251	Ceftiofur FUR 30 µg
9251/1	Ceftiofur FUR 30 µg
9251/2	Ceftiofur FUR 30 µg
9252	Omadacycline OMC 30 µg
9252/1	Omadacycline OMC 30 µg
9252/2	Omadacycline OMC 30 µg
9253	Imipenem-relebactam I/R 35 µg
9253/1	Imipenem-relebactam I/R 35 µg
9253/2	Imipenem-relebactam I/R 35 µg
9254	Penicillin G 1 + Clavulanic acid 20 PC 20 µg
9270	Cefepime-enmetazobactam (30+20) FPE 50 µg
9270/1	Cefepime-enmetazobactam (30+20) FPE 50 µg
9270/2	Cefepime-enmetazobactam (30+20) FPE 50 µg
9272	Aztreonam-avibactam (30+20) AZA 50 µg
9272/1	Aztreonam-avibactam (30+20) AZA 50 µg
9272/2	Aztreonam-avibactam (30+20) AZA 50 µg
9273	Amoxicillin 2 + Clavulanic acid 0.1 AC 2.1 µg
9274	Amoxicillin 2 + Clavulanic acid 0.5 AC 2.5 µg
9275	Amoxicillin 5 + Clavulanic acid 0.1 AC 5.1 µg
9276	Amoxicillin 5 + Clavulanic acid 0.5 AC 5.5 µg
9277	Amoxicillin 5 + Clavulanic acid 1 AC 6 µg
9278	Amoxicillin 10 + Clavulanic acid 0.1 AC 10.1 µg
9279	Amoxicillin 10 + Clavulanic acid 0.5 AC 10.5 µg
9280	Amoxicillin 10 + Clavulanic acid 1 AC 11 µg
9287	Neomycin N 10 µg
9287/1	Neomycin N 10 µg
9287/2	Neomycin N 10 µg
9288	Gentamicin CN 500 µg
9288/1	Gentamicin CN 500 µg
9288/2	Gentamicin CN 500 µg
9297	Marbofloxacin MAR 5 µg
9297/1	Marbofloxacin MAR 5 µg
9297/2	Marbofloxacin MAR 5 µg
9298	Tilmicosin TIL 15 µg
9298/1	Tilmicosin TIL 15 µg
9298/2	Tilmicosin TIL 15 µg
9299	Trimethoprim-sulfamethoxazole SXT 2.5 µg

Ref.	Description
9299/1	Trimethoprim-sulfamethoxazole SXT 2.5 µg
9299/2	Trimethoprim-sulfamethoxazole SXT 2.5 µg
9300	Apramycin AP 15 µg
9300/1	Apramycin AP 15 µg
9300/2	Apramycin AP 15 µg
9301	Aminosidine AM 60 µg
9301/1	Aminosidine AM 60 µg
9301/2	Aminosidine AM 60 µg
9302	Lincomycin-spectinomycin MSP 100 µg
9302/1	Lincomycin-spectinomycin MSP 100 µg
9302/2	Lincomycin-spectinomycin MSP 100 µg
9304/2	Cefoperazone-Sulbactam SCF 105 µg
9305/2	Spectinomycin SPC 10 µg
9306/2	Isoniazid IZ 5 µg
9307/2	Rifampicin RD 25 µg
9309/2	Streptomycin S 50 µg
9310/2	Ethambutol EB 25 µg
9311/2	P-Aminosalicylic Acid PAS 10 µg
9312/2	Isoniazid IZ 1 µg
9314	Pefloxacin PEF 30 µg
95300	Multodisc VET Gram-positive
95310	Multodisc VET Gram-negative
96716	THREE SECTOR PETRI DISHES
96717	PROVETTE/ TUBES 16x 160 mm
96718	TAPPI/CAPS for Tubes
96719	STORAGE TUBE WITH SILICA GEL
96740	TABLETS FOR CO2 GENERATION ANAEROBIOSIS
96750	MINI INCUBATOR EM4 ATL
96751	M91 MICRO INCUBATOR 6L
96752	THERMOBLOCK (DIGITAL) Room T/120+/-0.5gradi
96753	ALUMINIUM BLOCK (10.5mm) FOR STERIL TEST
96754	ALUMINIUM BLOCK (16.7mm) FOR STERIL CONTROL
96755	ALUMINIUM BLOCK (21mm)
96756	ALUMINIUM BLOCK (25mm)
96760	PORTABLE AIR SAMPLER 60
96762	Sampling Template 10x10 Sterile
96770	PORTABLE AIR SAMPLER 90
96783	SAS Aluminium Head Settle Plate
96784	SAS Replacement Battery
96790	CRUSHER
96791	JAR FOR CONTROLLED ATMOSPHERE 2.5 liters
96792	FORCEPS
96796	AUTOMATIC ROTATION PLATER PRO
96800	MTS Holder
96860	MTS Synergy Applicator Platform
96870	MTS Synergy Delivery Tool
96909	Biomic V3 software completo
96915	BIOMIC V3 ID
96916	BIOMIC V3 CC
96917	Trinity V3 CC
96918	STAMPANTE
96932	Biomic V3 tre moduli software
96935	Trinity V3 AA & CC
97000	MEMBRANE DISC FILTERS WH.0.45µm 47mm
97013	MEMBRANE DISC FILTERS BL.0.45µm 47mm
97014	MEMBRANE DISC FILTERS WH.0.22µm 47mm



Liofilchem®

Bacteriology Products

Ref.	Description
9999	BLANK DISCS
9999/2	Blank Discs

For and on behalf of Liofilchem S.r.l.

Dr. Silvio Brocco,

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McFARLAND BARIUM SULPHATE STANDARD

Standard di torbidità per la preparazione di sospensioni di microrganismi.
Turbidity standard for preparing suspensions of microorganisms.

DESCRIZIONE

Gli standard McFarland vengono utilizzati come standard di torbidità nella preparazione delle sospensioni di microrganismi ed in particolare modo nella preparazione degli inoculi batterici per l'esecuzione dell'antibiogramma.

PRINCIPIO

Gli standard di torbidità sono composti da sostanze chimiche che miscelate precipitano formando una soluzione di riproducibile torbidità.

Gli standard McFarland vengono preparati aggiungendo acido solforico ad una soluzione acquosa di cloruro di bario.

La miscela porta alla formazione di precipitato di solfato di bario. Per ciascun standard McFarland in tabella 1 è riportata la densità corrispondente espressa in cellule/ml. La concentrazione batterica dipende dalla dimensione dei microrganismi. I valori riportati nella tabella 1 rappresentano valori medi di concentrazione validi per i batteri. Per i lieviti, che hanno dimensioni maggiori, bisogna dividere gli stessi numeri per 30.

PROCEDURA

Prima dell'uso, agitare vigorosamente lo standard di torbidità, utilizzando un vortex meccanico.

Comparare la torbidità di una sospensione batterica preparata alla torbidità dello standard, in presenza di una luce adeguata.

Alternativamente, utilizzare lo standard di torbidità per calibrare un turbidimetro elettrometrico.

INTERPRETAZIONE DEI RISULTATI

L'utilizzo degli standard McFarland consente la preparazione di inoculi standardizzati da utilizzare nelle procedure per l'esecuzione dell'antibiogramma.

DESCRIPTION

McFarland standards are used as turbidity standards in the preparation of suspensions of microorganisms and has particular application in the preparation of bacterial inocula for performing antimicrobial susceptibility testing.

PRINCIPLE

Turbidity standards are prepared by mixing chemicals that precipitate to form a solution of reproducible turbidity.

McFarland standards are prepared by adding sulphuric acid to an aqueous solution of barium chloride, which results in the formation of a suspended barium sulphate precipitate.

For each McFarland standard in table 1 is reported the correspondent density expressed in cells/ml. Bacterial concentration depends on microorganisms size. The mentioned values in table 1 represent average values of concentration valid for bacteria. For yeast, which are larger in size, these numbers should be divided by about 30.

PROCEDURE

Vigorously agitate the turbidity standard on a mechanical vortex mixer just before use.

Using adequate light, compare the turbidity of a bacterial suspension to the turbidity standard.

Alternatively, use the turbidity standard to calibrate an electrometric turbidimeter.

RESULTS INTERPRETATION

McFarland standards will enable the preparation of standardized inocula for use in the performance of standardized antimicrobial susceptibility testing procedures.

Tabella / Table 1.

McFarland Standard	Densità (cellule/ml) / Density (cells/ml)
0.5	1.5×10^8
1.0	3.0×10^8
2.0	6.0×10^8
3.0	9.0×10^8
4.0	12.0×10^8

BIBLIOGRAFIA / BIBLIOGRAPHY

- Mc Farland, 1907. J.Am.Med.Assoc.49:1176.
- Patricia M. Tille. 2014. Bailey & Scott's Diagnostic Microbiology, 13th edition by Mosby, Inc., an affiliate of Elsevier Inc.
- CLSI M7-A9, 2012. Methods for dilution antimicrobial susceptibility test for bacteria that grow aerobically.
- CLSI M11-A7, 2007. Methods for dilution antimicrobial susceptibility testing of anaerobic bacteria.

PRESENTAZIONE / PRESENTATION

Prodotto / Product	REF	Σ
McFARLAND 0.5 BARIUM SULPHATE STANDARD	80400	1
McFARLAND 1.0 BARIUM SULPHATE STANDARD	80401	1
McFARLAND 2.0 BARIUM SULPHATE STANDARD	80402	1
McFARLAND 3.0 BARIUM SULPHATE STANDARD	80403	1
McFARLAND 4.0 BARIUM SULPHATE STANDARD	80404	1
McFARLAND STANDARD SET (McFARLAND 0.5, 1.0, 2.0, 3.0, 4.0)	80405	5

TABELLA DEI SIMBOLI / TABLE OF SYMBOLS

LOT	Codice del lotto Batch Code		Contenuto sufficiente per <n> saggi Content sufficient for <n> tests		Fabbricante Manufacturer		Non riutilizzare Do not reuse
REF	Numero di catalogo Catalogue Number		Attenzione, vedere le istruzioni per l'uso Attention, see instructions for use		Fragile, maneggiare con cura Fragile, handle with care		



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Rev.3 / 10.01.2014



ATCC® derived CultiControl

Technical Sheet 01

CultiControl freeze-dried microorganisms

Packaging: 1 vial containing 5 pellets

Non-enumerated CFU

Applications: Culture purposes, QC of ID devices, QC of AST devices

BioSafety Levels valid for our ATCC® derived microorganisms

The Liofilchem® CultiControl freeze-dried microorganisms have a BioSafety level (BSL) of 1 or 2.

BSL 1 organisms have no, or low, risk to individuals and communities. BSL 1 organisms may cause disease in individuals with immune systems that are suppressed or compromised.

BSL 2 organisms pose a moderate risk of individual infection, but low risk of community infection.

Liofilchem adheres to the BSL level designation as determined by the Reference Culture Collection from which the microorganism strain was obtained. Responsibility for safe handling of biological agents ultimately rests with the user. All infectious materials should be handled under the supervision of a competent and knowledgeable microbiologist.

Recommended Growth Methods

Primary growth on a nonselective agar medium is preferred. Primary growth in a fluid medium should only occur in special instances or when recommended. Because of the manipulations required during hydration, it is difficult to obtain purity of a lyophilized strain in a fluid medium. A contaminant may completely overgrow and obscure the presence of the lyophilized strain.

A list of microorganisms and relevant Recommended Growth Method is showed at page 4.

Method 1

Tryptic Soy Agar (Soybean Casein Digest Agar), nonselective Sheep Blood Agar, Standard Methods Agar (Plate Count Agar) or Nutrient Agar - 35°C in aerobic atmosphere – 24 to 48 hours.

Method 2

Nonselective Sheep Blood Agar - 35°C in aerobic atmosphere – 24 to 72 hours. Growth of some species such as *Streptococcus* and *Arcanobacterium* are enhanced by CO₂ enrichment of the incubation atmosphere. 5% CO₂ is recommended for the culture of *Streptococcus pneumoniae* and other streptococcal species of the viridians group.

Method 3

Chocolate Agar - 35°C in 5% to 7% CO₂ – 24 to 48 hours.

Method 4

Anaerobic Blood Agar 35°C in Anaerobic Environment – 48 to 72 hours.

Some obligate anaerobes may require 5 to 7 days to demonstrate sufficient growth.

Fresh prepared Nutrient Agar, Tryptic Soy Agar (Soybean Casein Digest Agar), Standard Methods Agar (Plate Count Agar) are appropriate alternatives for some *Clostridium* species together with an additional period (24 hours) of incubation.

Method 5

Sabouraud Dextrose Emmons Agar - 25°C in aerobic atmosphere – 2 to 7 days.

Nonselective Sheep Blood Agar is an appropriate alternative.

Nutrient Agar, Tryptic Soy Agar, Potato Dextrose Agar and Standard Plate Count Agar are appropriate alternatives together with an additional period (24 hours) of incubation.

Sabouraud Dextrose Emmons Agar is the best medium for growth of *Saccharomyces* sp.

Method 6

Chocolate Agar - 35°C in Microaerophilic Environment – 48 to 72 hours.

Method 7

Lowenstein Jensen Agar or Middlebrook Agar - 35°C in 5 to 7% CO₂ or aerobic atmosphere – up to one week. *M. fortuitum* subsp. *fortuitum*, *M. peregrinum* and *M. smegmatis* will also grow on Tryptic Soy Agar (Soybean Casein Digest Agar) as well as Lowenstein Jensen and Middlebrook Agar but additional incubation time may be required.

Method 8

Buffered Charcoal Yeast Extract Agar - 35°C in aerobic atmosphere – 3 to 5 days.

Method 9

V Agar or Chocolate Agar - 35°C in 5% to 7% CO₂– 48 hours.

Method 10

Rehydrate in sterile Brain Heart Infusion Broth, Tryptic Soy Broth (Soybean Casein Digest Agar) or 0.85% Saline. Rehydration with water may result in decreased or no recovery. Grow on Tryptic Soy Agar (Soybean Casein Digest Agar) - 35°C in aerobic atmosphere – 24 to 48 hrs. *Vibrio* sp. also grows on Marine Agar.

Method 11

The primary growth medium is MRS (Man, Rogosa, Sharpe) Broth. Incubate at 35°C in aerobic atmosphere for 48 hours. Transfer to either Columbia CNA with Sheep Blood or Tryptic Soy Agar with Sheep Blood. Incubate at 35°C in 5 to 7% CO₂ for 48 hrs. A few *Lactobacilli* species, such as *L. fermentum*, *L. paracasei* subsp. *paracasei*, *L. plantarum*, *L. rhamnosus*, and *L. sakei*, do not need to be started in Lactobacilli MRS broth. They may be plated directly to Columbia CNA with Sheep Blood or Tryptic Soy Agar with Sheep Blood and incubated at 35°C in 5 to 7% CO₂ for 48 hours.

Method 12

Potato Dextrose Agar - 55 C in aerobic atmosphere – 24 to 48 hours.

Method 13

Rehydrate 1 pellet of *M. hominis* or *Ureaplasma* sp. in 10B Arginine Broth. Make serial dilutions (for example, 1:10, 1:100, 1:1000, 1:10,000). Incubate at 35 C in aerobic atmosphere. As soon as the Arginine vial turns pink (24 to 48 hours), sub 0.1 mL of broth to A8 Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate mycoplasma at 35°C in 5 to 7% CO₂. Incubate ureaplasma at 35°C anaerobically for up to 96 hours. In order to see colonies, examine plates microscopically.

Method 14

Rehydrate 1 pellet of *M. pneumoniae* in SP4 Glucose Broth. Make serial dilutions (for example, 1:10, 1:100, 1:1000, 1:10,000). Incubate at 35°C in aerobic atmosphere. As soon as the broth turns from red to yellow (1-4 weeks), sub 0.2 mL of broth to SP4 Glucose Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate at 35°C in CO₂ atmosphere, preferably in a candle jar, for 5 to 15 days. In order to see colonies, examine plates microscopically.

Method 15

Rehydrate 1 pellet of *M. orale* in 10B Arginine Broth. Make serial dilutions (for example, 1:10, 1:100, 1:1000). Incubate at 35°C, in aerobic atmosphere. As soon as the broth turns from yellow to pink (48 to 72 hours), sub 0.2 mL of broth to SP4 Glucose Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate plates at 35°C in anaerobic conditions for 3 to 6 days. In order to see colonies, examine plates microscopically.

Method 16

Leeming Notman Agar - 30°C in aerobic atmosphere – 72 hours.

Method 17

Rehydrate 1 pellet of *M. gallisepticum* in SP4 Glucose Broth. Make serial dilutions (for example, 1:2, 1:4). Incubate at 35°C in aerobic atmosphere. As soon as the broth turns from red to yellow (4 days to 2 weeks), sub 0.2 mL of broth to SP4 Glucose Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate at 35°C in CO₂ atmosphere, preferably in a candle jar, for 3 days to 2 weeks. In order to see colonies, examine plates microscopically.

Method 18

Rehydrate 1 pellet of *M. hyorhinae* in SP4 Glucose Broth. Make serial dilutions (for example, 1:10, 1:100, 1:1000). Incubate at 35°C in aerobic atmosphere. As soon as the broth turns from red to yellow (4 days to 2 weeks), sub 0.2 mL of broth to SP4 Glucose Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate at 35°C in CO₂ atmosphere, preferably in a candle jar, for 2 to 10 days. In order to see colonies, examine plates microscopically.

Method 19

Rehydrate 1 pellet of *M. synoviae* in SP4 Glucose Broth. Make serial dilutions (for example, 1:2, 1:4, 1:8, 1:16, 1:32). Incubate at 35°C in 5 to 10% CO₂ for 7 days. After 7 days (no color change will be noted), sub 0.2 mL of broth to SP4 Glucose Agar and streak for isolation. Do not use cotton swab or wooden shaft. Incubate at 35°C in CO₂ atmosphere, preferably in a candle jar, for 1 to 4 weeks. In order to see colonies, examine plates microscopically.

Method 20

Chocolate agar, Sheep Blood Agar, Tryptic Soy Agar, Bordet Gengou Agar with 15% Defibrinated Sheep Blood - 35°C in aerobic atmosphere – 24 to 48 hours. Standard Methods (Plate Count Agar) or Nutrient Agar are appropriate alternatives together with an additional period (24 hours) of incubation.

Method 21

Chocolate or Bordet Gengou Agar with 15% Defibrinated Sheep Blood - 35°C in aerobic atmosphere – 2 days to one week. *B. pertussis*, and *B. pertussis*, require Bordet Gengou Agar with 15% Defibrinated Sheep Blood.

Method 22

Prepare ISF (modified Infant Soy Formula) Broth using the following steps: 1) fill tubes with 10 mL Infant Soy Formula, 2) place a four-penny nail in each tube, and 3) sterilize the broth. Infant Soy Formula may be purchased at a grocery store. A four-penny nail is approximately 1.5 inches or 38 mm in length. It should contain steel or iron.

Inoculate ISF Broth with one pellet. Make two dilutions, 1:10 and 1:100. Plate undiluted sample and plate the 1:10 and 1:100 dilutions. It is necessary to plate the diluted samples because at higher concentrations the colonies are pin-point which makes colony characteristics difficult to see. Grow at 55°C in anaerobic conditions for 48 hours. The broth will turn grey, indicating growth. Sub with a swab to Sulfite Agar. Sulfite Agar is used for detecting thermophilic anaerobes which produce sulfite. Incubate the agar in anaerobic environment at 55°C for 7 days.

Method 23

Inoculate Mycoplasma Broth with a pellet. Prepare serial dilutions of 1:10, 1:100, and 1:1000 using the broth. Incubate at 35°C for 48 hours. Then plate 0.2 mL of the turbid broth culture to Mycoplasma Agar. Incubate agar in 5 to 7% CO₂ at 35°C for 3 to 7 days. Do not use cotton swabs or wooden sticks. In order to see colonies, examine plates microscopically.

Method 24

Sheep Blood Agar supplemented with Pyridoxal - 35°C in 5% to 7% CO₂ – 24 to 48 hours.



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WDCM				CultiControl Ref.	notes	IVD according to 98/79/EC	BioSafety Level	Recommended growth method
	<i>Acinetobacter baumannii</i>	derived from	ATCC® 19606™*	89174		✓	2	1
	<i>Acinetobacter baumannii</i>	derived from	ATCC® BAA-747™*	89141		✓	2	1
	<i>Actinomyces odontolyticus</i>	derived from	ATCC® 17929™*	89114		✓	2	4
	<i>Aeromonas hydrophila</i>	derived from	ATCC® 35654™*	89169		✓	2	2
63	<i>Aeromonas hydrophila</i>	derived from	ATCC® 7966™*	89119		✓	2	2
	<i>Aggregatibacter aphrophilus</i>	derived from	ATCC® 7901™*	89091		✓	2	3
53	<i>Aspergillus brasiliensis</i>	derived from	ATCC® 16404™*	89021		✓	1	5
	<i>Bacillus cereus</i>	derived from	ATCC® 10876™*	89155		✓	1	1
1	<i>Bacillus cereus</i>	derived from	ATCC® 11778™*	89022		✓	1	1
3	<i>Bacillus subtilis subsp. spizizenii</i>	derived from	ATCC® 6633™*	89023		✓	1	1
	<i>Bacteroides fragilis</i>	derived from	ATCC® 23745™*	89113		✓	2	4
	<i>Bacteroides fragilis</i>	derived from	ATCC® 25285™*	89078		✓	2	4
	<i>Bacteroides ovatus</i>	derived from	ATCC® 8483™*	89111		✓	2	4
	<i>Bacteroides ovatus</i>	derived from	ATCC® BAA-1296™*	89193		✓	2	4
	<i>Bacteroides thetaiotaomicron</i>	derived from	ATCC® 29741™*	89079		✓	2	4
	<i>Bordetella bronchiseptica</i>	derived from	ATCC® 4617™*	89139		✓	2	15
	<i>Burkholderia cepacia</i>	derived from	ATCC® 25416™*	89147		✓	2	1
	<i>Burkholderia cepacia</i>	derived from	ATCC® 25608™*	89166		✓	2	1
156	<i>Campylobacter jejuni subsp. jejuni</i>	derived from	ATCC® 29428™*	89167		✓	2	6
5	<i>Campylobacter jejuni subsp. jejuni</i>	derived from	ATCC® 33291™*	89086		✓	2	6
	<i>Campylobacter jejuni subsp. jejuni</i>	derived from	ATCC® 33560™*	89145		✓	2	6
54	<i>Candida albicans</i>	derived from	ATCC® 10231™*	89024		✓	1	5
	<i>Candida albicans</i>	derived from	ATCC® 14053™*	89183		✓	1	5
	<i>Candida albicans</i>	derived from	ATCC® 18804™*	89177		✓	1	5
	<i>Candida albicans</i>	derived from	ATCC® 64124™*	89178		✓	1	5
	<i>Candida albicans</i>	derived from	ATCC® 90028™*	89072		✓	1	5
	<i>Candida krusei</i>	derived from	ATCC® 14243™*	89098		✓	1	5
	<i>Candida parapsilosis</i>	derived from	ATCC® 22019™*	89071		✓	1	5
	<i>Candida tropicalis</i>	derived from	ATCC® 750™*	89097		✓	1	5
	<i>Citrobacter freundii</i>	derived from	ATCC® 43864™*	89146		✓	1	1
	<i>Citrobacter freundii</i>	derived from	ATCC® 8090™*	89159		✓	1	1
	<i>Clostridium difficile</i>	derived from	ATCC® 9689™*	89090	produces cytotoxin	✓	2	4
	<i>Clostridium histolyticum</i>	derived from	ATCC® 19401™*	89112		✓	2	4
7	<i>Clostridium perfringens</i>	derived from	ATCC® 13124™*	89053		✓	2	4
	<i>Clostridium sordellii</i>	derived from	ATCC® 9714™*	89059		✓	2	4
8	<i>Clostridium sporogenes</i>	derived from	ATCC® 19404™*	89095		✓	1	4
	<i>Cronobacter muytjensii</i>	derived from	ATCC® 51329™*	89158		✓	1	1
214	<i>Cronobacter sakazakii</i>	derived from	ATCC® 29544™*	89138	formerly Enterobacter sakazakii	✓	1	1
	<i>Eikenella corrodens</i>	derived from	ATCC® BAA-1152™*	89196		✓	2	3
175	<i>Enterobacter aerogenes</i>	derived from	ATCC® 13048™*	89156		✓	1	1
	<i>Enterobacter cloacae subsp. cloacae</i>	derived from	ATCC® 49141™*	89200		✓	1	1
	<i>Enterobacter cloacae subsp. cloacae</i>	derived from	ATCC® BAA-1143™*	89065	control strain for the AmpC disk test; strong positive	✓	2	1
	<i>Enterococcus casseliflavus</i>	derived from	ATCC® 700327™*	89195		✓	1	1
9	<i>Enterococcus faecalis</i>	derived from	ATCC® 19433™*	89025		✓	2	1
87	<i>Enterococcus faecalis</i>	derived from	ATCC® 29212™*	89026		✓	2	1

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210	<i>Enterococcus faecalis</i>	derived from	ATCC® 33186™*	89115		✓	2	1
	<i>Enterococcus faecalis</i>	derived from	ATCC® 49532™*	89066	high level Gentamicin-resistant and Streptomycin-sensitive	✓	2	1
	<i>Enterococcus faecalis</i>	derived from	ATCC® 49533™*	89067	high level Gentamicin-sensitive and Streptomycin-resistant	✓	2	1
85	<i>Enterococcus faecalis</i>	derived from	ATCC® 51299™*	89173	Vancomycin resistant and high level aminoglycosides, vanB	✓	2	1
10	<i>Enterococcus faecium</i>	derived from	ATCC® 19434™*	89171		✓	2	1
	<i>Enterococcus faecium</i>	derived from	ATCC® 51559™*	89117		✓	2	1
	<i>Enterococcus faecium</i>	derived from	ATCC® 6057™*	89152		✓	2	1
	<i>Enterococcus faecium</i>	derived from	ATCC® BAA-2319™*	89172	vanA resistance	✓	2	1
	<i>Erysipelothrix rhusiopathiae</i>	derived from	ATCC® 19414™*	89187		✓	2	2
	<i>Escherichia coli</i>	derived from	ATCC® 11303™*	89184		✓	1	1
13	<i>Escherichia coli</i>	derived from	ATCC® 25922™*	89027		✓	1	1
	<i>Escherichia coli</i>	derived from	ATCC® 35218™*	89163	beta lactamase producer	✓	1	1
12	<i>Escherichia coli</i>	derived from	ATCC® 8739™*	89028		✓	1	1
	<i>Fluoribacter bozeman</i>	derived from	ATCC® 33217™*	89157		✓	2	8
	<i>Fusobacterium nucleatum subsp. nucleatum</i>	derived from	ATCC® 25586™*	89118		✓	2	4
	<i>Gardnerella vaginalis</i>	derived from	ATCC® 14018™*	89099		✓	2	9
	<i>Geobacillus stearothermophilus</i>	derived from	ATCC® 7953™*	89203		✓	1	1
	<i>Haemophilus haemolyticus</i>	derived from	ATCC® 33390™*	89123		✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 10211™*	89120	type b; beta lactamase negative	✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 19418™*	89160		✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 33391™*	89176		✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 33533™*	89124	type b; beta lactamase producer	✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 49247™*	89077		✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 49766™*	89076		✓	2	3
	<i>Haemophilus influenzae</i>	derived from	ATCC® 9007™*	89142	type c	✓	2	3
	<i>Issatchenkia orientalis</i>	derived from	ATCC® 6258™*	89073		✓	1	5
	<i>Klebsiella pneumoniae</i>	derived from	ATCC® BAA-1144™*	89150	control strain for the AmpC disk test; weak positive	✓	2	1
	<i>Klebsiella pneumoniae</i>	derived from	ATCC® BAA-1705™*	89088	Modified Hodge Test (MHT) positive control	✓	2	1
	<i>Klebsiella pneumoniae</i>	derived from	ATCC® BAA-1706™*	89087	Modified Hodge Test (MHT) negative control	✓	2	1
	<i>Klebsiella pneumoniae</i>	derived from	ATCC® BAA-2146™*	89069	New Delhi metallo-beta-lactamase (NDM-1) positive	✓	2	1
97	<i>Klebsiella pneumoniae subsp. pneumoniae</i>	derived from	ATCC® 13883™*	89089		✓	2	1
	<i>Klebsiella pneumoniae subsp. pneumoniae</i>	derived from	ATCC® 31488™*	89199		✓	2	1
192	<i>Klebsiella pneumoniae subsp. pneumoniae</i>	derived from	ATCC® 4352™*	89192		✓	2	1
	<i>Klebsiella pneumoniae subsp. pneumoniae</i>	derived from	ATCC® 700603™*	89070	ESBL positive	✓	2	1
98	<i>Lactobacillus acidophilus</i>	derived from	ATCC® 4356™*	89080		✓	1	11
	<i>Lactobacillus fermentum</i>	derived from	ATCC® 9338™*	89100		✓	1	11
	<i>Lactobacillus leichmannii</i>	derived from	ATCC® 4797™*	89081		✓	1	11
	<i>Lactobacillus paracasei subsp. paracasei</i>	derived from	ATCC® BAA-52™*	89055		✓	1	11
16	<i>Lactococcus lactis subsp. lactis</i>	derived from	ATCC® 19435™*	89082		✓	1	2
180	<i>Legionella pneumophila subsp. fraseri</i>	derived from	ATCC® 33156™*	89151		✓	2	8

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107	<i>Legionella pneumophila subsp. pneumophila</i>	derived from	ATCC® 33152™*	89052		✓	2	8
	<i>Listeria grayi</i>	derived from	ATCC® 25401™*	89101		✓	1	1
17	<i>Listeria innocua</i>	derived from	ATCC® 33090™*	89029		✓	1	1
18	<i>Listeria ivanoviisubsp.ivanovii</i>	derived from	ATCC® 19119™*	89030		✓	2	1
21	<i>Listeria monocytogenes</i>	derived from	ATCC® 13932™*	89085	serotype 4b	✓	2	1
	<i>Listeria monocytogenes</i>	derived from	ATCC® 15313™*	89188	non-hemolytic on sheep blood	✓	2	1
20	<i>Listeria monocytogenes</i>	derived from	ATCC® 19111™*	89031	serotype 1	✓	2	1
	<i>Listeria monocytogenes</i>	derived from	ATCC® 19115™*	89051	serotype 4b	✓	2	1
109	<i>Listeria monocytogenes</i>	derived from	ATCC® 35152™*	89148		✓	2	1
	<i>Listeria monocytogenes</i>	derived from	ATCC® 7644™*	89060		✓	2	1
	<i>Listeria monocytogenes</i>	derived from	ATCC® BAA-751™*	89143		✓	2	1
	<i>Micrococcus luteus</i>	derived from	ATCC® 10240™*	89096		✓	1	1
111	<i>Micrococcus luteus</i>	derived from	ATCC® 4698™*	89102		✓	1	1
	<i>Moraxella (Branhamella) catarrhalis</i>	derived from	ATCC® 25238™*	89103		✓	1	2
	<i>Neisseria gonorrhoeae</i>	derived from	ATCC® 19424™*	89074		✓	2	3
	<i>Neisseria gonorrhoeae</i>	derived from	ATCC® 31426™*	89075	beta lactamase producer	✓	2	3
	<i>Neisseria gonorrhoeae</i>	derived from	ATCC® 49226™*	89104		✓	2	3
	<i>Neisseria gonorrhoeae</i>	derived from	ATCC® 49981™*	89122	Penicillin resistant	✓	2	3
	<i>Neisseria meningitidis</i>	derived from	ATCC® 13090™*	89164	serogroup B	✓	2	3
	<i>Nocardia brasiliensis</i>	derived from	ATCC® 19296™*	89189		✓	2	1
	<i>Peptostreptococcus anaerobius</i>	derived from	ATCC® 27337™*	89165		✓	1	4
	<i>Plesiomonas shigelloides</i>	derived from	ATCC® 14029™*	89094		✓	2	1
	<i>Porphyromonas gingivalis</i>	derived from	ATCC® 33277™*	89162		✓	2	4
	<i>Prevotella melaninogenica</i>	derived from	ATCC® 25845™*	89134		✓	2	4
	<i>Propionibacterium acnes</i>	derived from	ATCC® 11827™*	89135		✓	1	4
	<i>Proteus hauseri</i>	derived from	ATCC® 13315™*	89190		✓	2	1
	<i>Proteus mirabilis</i>	derived from	ATCC® 12453™*	89049		✓	2	1
	<i>Proteus mirabilis</i>	derived from	ATCC® 25933™*	89032		✓	2	1
23	<i>Proteus mirabilis</i>	derived from	ATCC® 29906™*	89083		✓	2	1
	<i>Proteus mirabilis</i>	derived from	ATCC® 35659™*	89105		✓	2	1
	<i>Proteus mirabilis</i>	derived from	ATCC® 43071™*	89106		✓	2	1
	<i>Proteus vulgaris</i>	derived from	ATCC® 6380™*	89107		✓	2	1
	<i>Providencia stuartii</i>	derived from	ATCC® 33672™*	89125		✓	1	1
24	<i>Pseudomonas aeruginosa</i>	derived from	ATCC® 10145™*	89108		✓	2	1
	<i>Pseudomonas aeruginosa</i>	derived from	ATCC® 15442™*	89109	Pyocyanin not produced	✓	2	1
25	<i>Pseudomonas aeruginosa</i>	derived from	ATCC® 27853™*	89033		✓	2	1
26	<i>Pseudomonas aeruginosa</i>	derived from	ATCC® 9027™*	89034		✓	2	1
115	<i>Pseudomonas fluorescens</i>	derived from	ATCC® 13525™*	89110		✓	1	1
28	<i>Rhodococcus equi</i>	derived from	ATCC® 6939™*	89035	recommended for CAMP test for <i>Listeria monocytogenes</i>	✓	2	2
58	<i>Saccharomyces cerevisiae</i>	derived from	ATCC® 9763™*	89036		✓	1	5
	<i>Salmonella enterica subsp. arizonae</i>	derived from	ATCC® 13314™*	89154		✓	2	1
30	<i>Salmonella enterica subsp. enterica serovar Enteritidis</i>	derived from	ATCC® 13076™*	89084	group D	✓	2	1
	<i>Salmonella enterica subsp. enterica serovar Hillingdon</i>	derived from	ATCC® 9184™*	89185		✓	2	1

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	<i>Salmonella enterica subsp. enterica serovar Paratyphi</i>	derived from	ATCC® 9150™*	89161	group A; H2S negative	✓	2	1
121	<i>Salmonella enterica subsp. enterica serovar Typhimurium</i>	derived from	ATCC® 13311™*	89054		✓	2	1
31	<i>Salmonella enterica subsp. enterica serovar Typhimurium</i>	derived from	ATCC® 14028™*	89037		✓	2	1
	<i>Salmonella enterica subsp. enterica serovar Typhimurium</i>	derived from	ATCC® 49416™*	89197	highly mutable; recommended for Ames test	✓	2	1
	<i>Serratia marcescens</i>	derived from	ATCC® 14756™*	89191	pigmented	✓	1	1
	<i>Serratia marcescens</i>	derived from	ATCC® 8100™*	89121		✓	1	1
	<i>Shigella boydii</i>	derived from	ATCC® 9207™*	89179	serotype 1	✓	2	1
126	<i>Shigella flexneri</i>	derived from	ATCC® 12022™*	89038	serotype 2b	✓	2	1
	<i>Shigella flexneri</i>	derived from	ATCC® 9199™*	89198	serotype 1a	✓	2	1
	<i>Shigella sonnei</i>	derived from	ATCC® 25931™*	89058		✓	2	1
	<i>Shigella sonnei</i>	derived from	ATCC® 9290™*	89180		✓	2	1
	<i>Staphylococcus aureus</i>	derived from	ATCC® 33862™*	89042	recommended for CAMP test	✓	2	1
193	<i>Staphylococcus aureus</i>	derived from	ATCC® 6538™*	89044		✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 19095™*	89137		✓	2	1
34	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 25923™*	89040		✓	2	1
131	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 29213™*	89041		✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 33591™*	89116	methicillin resistant	✓	2	1
211	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 43300™*	89043	methicillin resistant; mec A positive	✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 49476™*	89181		✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 700698™*	89092	Methicillin resistant; GRD MIC Test Strip control	✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 700699™*	89093	Methicillin resistant; Mu50; reduced Vancomycin susceptibility	✓	2	1
35	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® 9144™*	89182		✓	2	1
	<i>Staphylococcus aureus subsp. aureus</i>	derived from	ATCC® BAA-44™*	89170	Methicillin resistant	✓	2	1
36	<i>Staphylococcus epidermidis</i>	derived from	ATCC® 12228™*	89045		✓	1	1
132	<i>Staphylococcus epidermidis</i>	derived from	ATCC® 14990™*	89202		✓	1	1
	<i>Staphylococcus haemolyticus</i>	derived from	ATCC® 29970™*	89126		✓	2	1
159	<i>Staphylococcus saprophyticus</i>	derived from	ATCC® 15305™*	89153		✓	1	1
	<i>Staphylococcus xylosus</i>	derived from	ATCC® 29971™*	89133		✓	2	1
	<i>Stenotrophomonas maltophilia</i>	derived from	ATCC® 13637™*	89149		✓	1	1
	<i>Stenotrophomonas maltophilia</i>	derived from	ATCC® 17666™*	89194		✓	1	1
	<i>Streptococcus agalactiae</i>	derived from	ATCC® 13813™*	89046	group B; non-hemolytic in absence of CAMP Factor	✓	2	2
	<i>Streptococcus anginosus</i>	derived from	ATCC® 33397™*	89127	group G; type 1	✓	2	2
133	<i>Streptococcus bovis</i>	derived from	ATCC® 33317™*	89061		✓	1	2
	<i>Streptococcus dysgalactiae subsp. equisimilis</i>	derived from	ATCC® 12388™*	89128	group C	✓	2	2
	<i>Streptococcus mitis</i>	derived from	ATCC® 6249™*	89129		✓	2	2
	<i>Streptococcus mutans</i>	derived from	ATCC® 25175™*	89062		✓	1	2
	<i>Streptococcus pneumoniae</i>	derived from	ATCC® 27336™*	89063		✓	2	2
	<i>Streptococcus pneumoniae</i>	derived from	ATCC® 49619™*	89047	low level penicillin resistance by oxacillin test	✓	2	2
	<i>Streptococcus pneumoniae</i>	derived from	ATCC® 700671™*	89175		✓	2	2

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	<i>Streptococcus pyogenes</i>	derived from	ATCC® 19615™*	89048	group A	✓	2	2
	<i>Streptococcus pyogenes</i>	derived from	ATCC® 49399™*	89130	group A	✓	2	2
	<i>Streptococcus salivarius</i>	derived from	ATCC® 13419™*	89131		✓	1	2
134	<i>Streptococcus salivarius subsp. thermophilus</i>	derived from	ATCC® 19258™*	89186		✓	1	2
	<i>Streptococcus sanguinis</i>	derived from	ATCC® 10556™*	89064		✓	2	2
	<i>Trichophyton mentagrophytes</i>	derived from	ATCC® 9533™*	89140		✓	2	5
	<i>Vibrio alginolyticus</i>	derived from	ATCC® 17749™*	89144		✓	1	10
37	<i>Vibrio parahaemolyticus</i>	derived from	ATCC® 17802™*	89056		✓	2	10
160	<i>Yersinia enterocolitica subsp. enterocolitica</i>	derived from	ATCC® 23715™*	89168	biotype 1; serotype 8	✓	2	1
38	<i>Yersinia enterocolitica subsp. enterocolitica</i>	derived from	ATCC® 9610™*	89050	biovar 1; serogroup O:8	✓	2	1



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