

DICHIARAZIONE DI CONFORMITÀ CE / EC DECLARATION OF CONFORMITY

DICHIARAZIONE DI CONFORMITÀ CE

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

dichiara sotto la propria responsabilità

- che il dispositivo sopra indicato soddisfa tutte le disposizioni applicabili della Direttiva 98/79/CE (Allegato III) recepita nella Legislazione Italiana dal Decreto Legislativo n° 332 del 8 settembre 2000;
- che il dispositivo in oggetto non è incluso nell'Allegato II, lista A e B della Direttiva 98/79/CE
- che la documentazione tecnica di cui all'allegato III della 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;
- che il processo di fabbricazione segue adeguati principi di assicurazione della qualità;
- di aver attivato e di mantenere aggiornato, un sistema di sorveglianza post-produzione per il monitoraggio dei prodotti;
- che il dispositivo in oggetto è stato messo in commercio munito di marcatura CE.

EC DECLARATION OF CONFORMITY

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

hereby certifies under its own responsibility

- that the above mentioned device complies with all the applicable provisions of Directive 98/79/EC (Annex III) and its relevant transposition into national law;
- the above mentioned is not included in Annex II, List A and B of Directive 98/79/EC;
- 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;
- that the manufacturing process follows suitable principles of quality assurance;
- that has implemented and kept up to date, a post-production surveillance system for monitoring the products;
- that the device in question, was introduced into the market provided with CE mark.



Direttore Tecnico/ Technical Director
Dott. Silvio Brocco

Roseto degli Abruzzi, 07.06.2017

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

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10002	DNA AGAR - BILI DI TOLLUDINA
10004	CLED ANDRADE AGAR
10004*	CLED ANDRADE AGAR
10005	MAC CONKEY SORBITOL AGAR
10005*	MAC CONKEY SORBITOL AGAR
10006	TRYPTIC SOY AGAR + 0.5% YEAST EXTRACT
10007	BACILLUS CEREUS AGAR (PEMBA)
10007*	BACILLUS CEREUS AGAR (PEMBA)
10013	DNase TEST AGAR
10013*	DNase TEST AGAR
10014	Purple Lactose Agar
10014*	Purple Lactose Agar
10017	CZAPEK DOX AGAR
10018	DRIGALSKY LACTOSE AGAR
10020	Baird Parker Agar
10020*	Baird Parker Agar
10021	BIGGY (NICKERSON) AGAR
10021*	BIGGY (NICKERSON) AGAR
10022	BRIGHT GREEN AGAR
10022*	BRIGHT GREEN AGAR
10023	Chocolate Agar
10023*	Chocolate Agar
10024	TRYPTOSE AGAR
10024*	TRYPTOSE AGAR
10025	COLUMBIA AGAR (Horse Blood 5%)
10025*	COLUMBIA AGAR (Horse Blood 5%)
10026	CLED AGAR
10026*	CLED AGAR
10027	BACILLUS CEREUS AGAR (Mossel)
10027*	BACILLUS CEREUS AGAR (Mossel)
10028	ISOSENSITEST AGAR
10028*	ISOSENSITEST AGAR
10029	MAC CONKEY AGAR
10029*	MAC CONKEY AGAR
10030	MANNITOL SALT AGAR
10030*	MANNITOL SALT AGAR
10031	MUELLER HINTON II AGAR
10031*	MUELLER HINTON II AGAR
10033	PSEUDOMONAS (CETRIMIDE) AGAR
10033*	PSEUDOMONAS (CETRIMIDE) AGAR
10035	SABOURAUD AGAR
10035*	SABOURAUD AGAR
10035S	SABOURAUD AGAR Irradiated
10036	S.S. AGAR
10036*	S.S. AGAR
10037	Tryptic Soy Agar
10037*	Tryptic Soy Agar
10037S	TRYPTIC SOY AGAR Irradiated
10039	ROGOSA AGAR
10039*	ROGOSA AGAR
10040	NEW YORK CITY AGAR
10040*	NEW YORK CITY AGAR
10041	LISTERIA PALCAM AGAR
10041*	LISTERIA PALCAM AGAR
10042	CRYSTAL VIOLET AGAR (Sheep Blood 5%)
10042*	CRYSTAL VIOLET AGAR (Sheep Blood 5%)
10043	HEKTOEN ENTERIC AGAR
10043*	HEKTOEN ENTERIC AGAR
10044	NUTRIENT AGAR
10044*	NUTRIENT AGAR

10046	SERUM TELLURITE AGAR
10047	BISMUTH SULFITE AGAR
10047*	BISMUTH SULFITE AGAR
10048	E.M.B. LEVINE AGAR
10048*	E.M.B. LEVINE AGAR
10050	CAMPYLOBACTER AGAR (Sheep Blood 5%)
10050*	CAMPYLOBACTER AGAR (Sheep Blood 5%)
10051	Legionella BOYE Agar
10051*	Legionella BOYE Agar
10052	YERSINIA SELECTIVE AGAR
10052*	YERSINIA SELECTIVE AGAR
10053	WILKINS CHALGREEN AGAR
10053*	WILKINS CHALGREEN AGAR
10054	WURTZ LACTOSE AGAR
10054*	WURTZ LACTOSE AGAR
10056	X.L.D. AGAR
10056*	X.L.D. AGAR
10057	BILE AESCULIN AGAR
10057*	BILE AESCULIN AGAR
10058S	TRYPTIC SOY AGAR Irradiated -30 mL-
10060	BRAIN HEART INFUSION AGAR
10060*	BRAIN HEART INFUSION AGAR
10064	CHRISTENSEN UREA AGAR
10065	SCHAEDELER KKV AGAR (Sheep Blood 5%)
10065*	SCHAEDELER KKV AGAR (Sheep Blood 5%)
10067	SCHAEDELER KVN AGAR (Sheep Blood 5%)
10069	XLT 4 Agar
10069*	XLT 4 Agar
10074S	TRYPTIC SOY AGAR NEUTRALIZING Irradiated
10078	MUELLER HINTON II MOD. AGAR
10078*	MUELLER HINTON II MOD. AGAR
10079	CASITONE AGAR
10079*	CASITONE AGAR
10080	HAEMOPHYLUS TEST AGAR
10080*	HAEMOPHYLUS TEST AGAR
10082	HELI-COBACTER PYLORI AGAR
10082*	HELI-COBACTER PYLORI AGAR
10090	M.R.S. Agar
10090*	M.R.S. Agar
10095	BRAIN HEART AGAR FOR HAEMOPHILUS
10129	MAC CONKEY AGAR MMG
10129*	MAC CONKEY AGAR MMG
10131	Mueller Hinton II Agar (Sheep Blood 5%)
10131*	Mueller Hinton II Agar (Sheep Blood 5%)
10132	Mueller Hinton Faalidous Agar (Horse Blood 5% + 20 mg/L p-NAD)
10132*	Mueller Hinton Faalidous Agar (Horse Blood 5% + 20 mg/L p-NAD)
10134	Legionella EMPA Agar
10141	SALMONELLA TEST AGAR
10141*	SALMONELLA TEST AGAR
10142	BLOOD AGAR (Sheep Blood 7% ISO 10560)
10142*	BLOOD AGAR (Sheep Blood 7% ISO 10560)
10143	Mueller Hinton Agar + 5 % Horse Blood Lyzed
10146	CAMPYLOBACTER KARMALI AGAR
10148	CAMPYLOBACTER PRESTON AGAR
10224	Baird Parker Agar
10225	LISTERIA PALCAM AGAR + 40 mm
10231	MUELLER HINTON II AGAR 140 mm
10233	R.P. M1 AGAR

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

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10235	Sabouraud CAF Agar - Gentamicin	11041	AZIDE AGAR (Sheep Blood 5%)
10235*	Sabouraud CAF Agar - Gentamicin	11041*	AZIDE AGAR (Sheep Blood 5%)
10235S	Sabouraud CAF Agar - Gentamicin Irradiated	11052	DERMATOPHYTE (D.T.M.) AGAR
10236	CLED AGAR 140 mm	11052*	DERMATOPHYTE (D.T.M.) AGAR
10240	SCHAEDELER K AGAR (Sheep Blood 5%) 140mm	11054	GARDNERELLA AGAR (Sheep Blood 5%)
10241	SCHAEDELER KKV AGAR (Sheep Blood 5%) 140mm	11054*	GARDNERELLA AGAR (Sheep Blood 5%)
10242	SABOURAUD CAF AGAR 140 mm	11057	ENTEROCOCCUS AGAR
10243	Sabouraud CAF Agar - Gentamicin 140mm	11057*	ENTEROCOCCUS AGAR
10244	DERMATOPHYTE (D.T.M.) AGAR 140 mm	11058	SLANETZ BARTLEY AGAR (ENTEROCOCCUS)
10245	BRUCELLA BLOOD AGAR w/ HEMIN AND VITAMIN K1	11058*	SLANETZ BARTLEY AGAR (ENTEROCOCCUS)
10246	Chromatic™ MH	11060	CLOSTRIDIUM AGAR (Sheep Blood 5%)
10247	Bruella Blood Agar with Hemin and Vitamin K1	11060*	CLOSTRIDIUM AGAR (Sheep Blood 5%)
10249	Purple Lactose Agar 140 mm	11065	SCHAEDELER K AGAR (Sheep Blood 5%)
10334	NEOMYCIN BLOOD AGAR (Sheep Blood 5%)	11065*	SCHAEDELER K AGAR (Sheep Blood 5%)
10334*	NEOMYCIN BLOOD AGAR (Sheep Blood 5%)	11070	MYCOSEL AGAR
10335	MUELLER HINTON CHOCOLATE AGAR	11070*	MYCOSEL AGAR
10353	BORDET GENGOU AGAR (Sheep Blood 15%)	11124	COLUMBIA CNA MOD. AGAR (Sheep blood 5%)
10353*	BORDET GENGOU AGAR (Sheep Blood 15%)	11124*	COLUMBIA CNA MOD. AGAR (Sheep blood 5%)
10405	SCHAEDELER CNA AGAR (Sheep Blood 5%)	11124*	COLUMBIA CNA MOD. AGAR (Sheep blood 5%)
10407	VANCOMYCIN SCREEN AGAR	11132	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L B-NAD) (140 mm)
10408	WILKINS CHALGREN AGAR +5% SHEEP BLOOD	11135*	SABOURAUD AGAR MODIFIED
10409	CAMPYLOBACTER CDDA AGAR	11135*	SABOURAUD AGAR MODIFIED
10410	MUELLER HINTON AGAR w/ VITALEX	11143	HERELLEA AGAR
10411	BILE ESULIN AZIDE AGAR w/ VANCOMYCIN	11143*	HERELLEA AGAR
10412	Lepionella BOYE Agar w/o Cysteine	11185	VOGEL JOHNSON AGAR
10413	XLD Agar EP USP JP Formulation	11185*	VOGEL JOHNSON AGAR
10415	MIDDLEBROOK TH11 AGAR	11185*	T.C.B.S. AGAR
10424	Lepionella BOYE Agar w/ Vancomycin + Colistin	11185*	T.C.B.S. AGAR
10425	SCEDOSPORIUM SELECTIVE AGAR	11196	SPS AGAR
10438	MacConkey Agar No. 2	11196*	SPS AGAR
10438*	MacConkey Agar No. 2	11200	PAR TEST AGAR
10439	Group A Selective Sheep Agar w/ 5% Sheep Blood	11200*	PAR TEST AGAR
10441	Sabouraud CAF Agar 50 mg	11205	MYCOPLASMA AGAR
10446	Chocolate Agar w/ Bacitracin, Vancomycin, Clindamycin	11205*	MYCOPLASMA AGAR
10599	CHROMATIC™ MRSA	11231	Mueller Hinton II Agar (Sheep Blood 5%) 140 mm
10600	OXACILIN RESISTANCE STAPHYLOCOCCUS AGAR	11235	SABOURAUD CAF AGAR + TTC
10601	CHOCOLATE AGAR w/o VITOX	11235*	SABOURAUD CAF AGAR + TTC
10602	CAMPYLOBACTER SKIRROW AGAR	11236	Sabouraud CAF Agar + Acidifone
10605	HELICOBACTER PYLORI EGG YOLK EMULSION AGAR	11250	TINSDALE AGAR
10620	O.1 LISTERIA	11250*	TINSDALE AGAR
11023	CHOCOLATE BACITRACIN AGAR	11335	SABOURAUD AGAR + GENTAMICIN
11023*	CHOCOLATE BACITRACIN AGAR	11335*	SABOURAUD AGAR + GENTAMICIN
11024	COLUMBIA CNA AGAR (Sheep Blood 5%)	11507	ENTEROCOCCUS AGAR + VANCOMYCIN
11024*	COLUMBIA CNA AGAR (Sheep Blood 5%)	11507*	ENTEROCOCCUS AGAR + VANCOMYCIN
11025	COLUMBIA AGAR (Sheep Blood 5%)	11509	R.P.M.I. AGAR
11025*	COLUMBIA AGAR (Sheep Blood 5%)	11510	M.HINTON-GLUCOSE-AMETHYLEN BLUE
11026	COLIMEX AGAR (Sheep Blood 5%)	11512	NUTRIENT AGAR acid ISO 21528
11026*	COLIMEX AGAR (Sheep Blood 5%)	11513	NUTRIENT AGAR acid ISO 21528
11027	DESOXYCHOLIC ACID AGAR	11517	Mueller Hinton Agar + Cloxacillin
11028	ANEROBIC AGAR	11518	Chromatic™ E coli O157
11033	PSEUDOMONAS CATION AGAR	11610	CHROMATIC™ DETECTION
11035	SABOURAUD CAF AGAR	11611	CHROMATIC™ CANDIDA
11035*	SABOURAUD CAF AGAR	11614	CHROMATIC™ SALMONELLA
11036	SABOURAUD CAF AGAR	11616	CHROMATIC™ STAPH. AUREUS
11036*	SABOURAUD CAF AGAR	11617	CHROMATIC™ STREPTOCOCCUS
11037	TRYPTIC SOY AGAR (Sheep Blood 5%)	11618	CHROMATIC™ MH
11037*	TRYPTIC SOY AGAR (Sheep Blood 5%)	11619	CHROMATIC™ CRE
11038	TRYPTIC SOY AGAR (Horse Blood 5%)	11621	CHROMATIC™ VRE
11040	THAYER MARTIN AGAR	11622	CHROMATIC™ ESSL
11040*	THAYER MARTIN AGAR	11627	Chromatic™ Enterococcus

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11629	CHROMATIC™ ESSL - AmpC	18576	GARDNERELLA V. / THAYER MARTIN
11629*	CHROMATIC™ ESSL - AmpC	18579*	GARDNERELLA V. / THAYER MARTIN
11631	Chromatic™ OXA-48	18380	MAC CONKEY / TSA BLOOD
11632	Chromatic™ Clindamycin difficile	18380*	MAC CONKEY / TSA BLOOD
11633	Chromatic™ Vibrio	18390	BAIRD PARKER / SABOURAUD CAF
11634	Chromatic™ Detection opaque	18390*	BAIRD PARKER / SABOURAUD CAF
11635	Chromatic™ Pseudomonas	18381	HEKTOEN ENTERIC / YERSINIA
12031	MUELLER HINTON II AGAR (20x120 mm)	18391*	HEKTOEN ENTERIC / YERSINIA
12032	Mueller Hinton II Agar (Sheep Blood 5%) 120 mm x 120 mm	18422	COLUMBIA CNA / GARDNERELLA
12033	Mueller Hinton Fastidious Agar (Horse blood 5% + 20 mg/L B-NAD) (120 mm x 120 mm)	18422*	COLUMBIA CNA / GARDNERELLA
13012	CLED/MAACONKEY/TSA BLOOD AGAR	18500	BAIRD PARKER / MAC CONKEY
13012*	CLED/MAACONKEY/TSA BLOOD AGAR	18500*	BAIRD PARKER / MAC CONKEY
13013	BAIRD PARKER/BIGGY/MAACONKEY	18502	CLED / MAC CONKEY
13013*	BAIRD PARKER/BIGGY/MAACONKEY	18502*	CLED / MAC CONKEY
13014	COLUMBIA CNA/OCOCOLAT/THAYER MARTIN	18503	HEKTOEN ENTERIC / SS
13014*	COLUMBIA CNA/OCOCOLAT/THAYER MARTIN	18503*	HEKTOEN ENTERIC / SS
13017	CLED/MAACONKEY MM/MALTO	18505	MAC CONKEY / S.S AGAR
13017*	CLED/MAACONKEY MM/MALTO	18505*	MAC CONKEY / S.S AGAR
13018	BROM CRESOL PURPLE COLUMBIA CNA/MACONKEY	18507	COLUMBIA CNA / CHOCOLATE
13018*	BROM CRESOL PURPLE COLUMBIA CNA/MACONKEY	18507*	COLUMBIA CNA / CHOCOLATE
13019	CLED/MAACONKEY/CEFRIMIDE	18595	D.T.M. / SABOURAUD
13019*	CLED/MAACONKEY/CEFRIMIDE	18595*	D.T.M. / SABOURAUD
13020	MAC CONKEY/B PARKER/TSA BLOOD	18700	Group A Selective TSA II + Sheep Blood 5%
13345	GARDNERELLA V. ROGOSATHAYER MARTIN	18703	CHOCOLATE AGAR / THAYER MARTIN
13345*	GARDNERELLA V. ROGOSATHAYER MARTIN	20075	MAC CONKEY BROTH/75 (EMCZ) 20x50ml
13356	Group V. / Chocolate / Thayer Martin	20077	PHYSIOLOGICAL SOLUTION 2.5 ml
13371	BAIRD PARKER/MACONKEY/SABOURAUD CAF	20079	PHYSIOLOGICAL SOLUTION 4.5 ml
13371*	BAIRD PARKER/MACONKEY/SABOURAUD CAF	20081	INOCULUM SOLUTION 5 ml
13480	MACCONKEY/VOGEL JOHNSON/SABOURAUD	20089	SUSPENSION BROTH
13602	SABOURAUD CAF/BAIRD PARKER/BILE ESULINE	20090	HELICOBACTER PYLORI TEST
13607	CHOC. BAC. COLUMBIAMAC CONKEY	20105	PHYSIOLOGICAL SOLUTION
13607*	CHOC. BAC. COLUMBIAMAC CONKEY	20121	Glucose Broth
13614	CLED/MAACONKEY/ENTEROCOCCO	20129	TRYPTIC SOY BROTH 15 ml
13614*	CLED/MAACONKEY/ENTEROCOCCO	20140	PURPLE LACTOSE BROTH
155312	MYCOPLASMA AGAR	20156	SUSPENSION MEDIUM 7 ml
18007	CHROMATIC™ STAPH. AUREUS/ MRSA	20158	MYCOPLASMA TRANSPORT BROTH
18008	TSA BLOOD/CROMAGAR ORIENTATION	20159	TRICHOMONAS BROTH w/ CLORAMPHENICOL
18008*	TSA BLOOD/CROMAGAR ORIENTATION	20171	Thioglycollate Medium w/ VIK1 & Hemin
18011	CHROMATIC™ Salmonella/Hektoen Enteric	20340	VAGTUBE
18012	BRIGHT GREEN / SS AGAR	21241	Fluid Thioglycollate Medium
18012*	BRIGHT GREEN / SS AGAR	22130	SCHAEDELER BROTH
18015	BIGGY (NICKERSON) / MALT AGAR	23001	F.B. FASTIDIOUS BROTH
18015*	BIGGY (NICKERSON) / MALT AGAR	23002	MUELLER HINTON BROTH w/ HORSE BLOOD (11ml)
18017	COLUMBIA CNA BLOOD/CHROMAGAR	23003	MUELLER HINTON BROTH
18017*	COLUMBIA CNA BLOOD/CHROMAGAR	24070	MYCOSEL BROTH 20PV
18018	MAC CONKEY / SABOURAUD CAF	24071	Coated Meat Medium
18020	EMB LEVINE / TSA BLOOD	24081	HAEMOPHILUS TEST BROTH 20 PV
18020*	EMB LEVINE / TSA BLOOD	24098	PEPTONE WATER 20PV
18021	Chromatic™ CRE / Chromatic™ ESSL	24100	Alkaline Peptone Water
18021*	Chromatic™ CRE / Chromatic™ ESSL	24103	NUTRIENT BROTH 20PV
18022	TSA Blood/Columbia CNA	24104	BRAIN HEART INFUSION BROTH 20PV
18023	Chromatic™ CRE / Chromatic™ OXA-48	24105	Glucose Broth
18024	MSA / Chromatic™ MRSA	24107	MUELLER HINTON I BROTH 20 PV
18025	Schaefer K / Schaefer KKV	24108	MULLER KAUFMANN BROTH 20PV
18327	COLUMBIA CNA / MAC CONKEY	24110	Sabouraud Devise Broth
18327*	COLUMBIA CNA / MAC CONKEY	24111	Selenite Broth
18327	COLUMBIA CNA / MAC CONKEY	24112	TODD HEWITT BROTH 20PV
18327	COLUMBIA CNA / MAC CONKEY	24112	TRYPTONE BROTH 20PV
18327	COLUMBIA CNA / MAC CONKEY	24115	TRICHOMONAS BROTH 20PV

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24117	Pargida Broth	30009	HELICOBACTER PYLORI AGAR
24119	GN-HAANA BROTH	30010	STREPTOCOCCAL KF + TIG AGAR
24120	BILE AESCULIN BROTH	30011	SIMMONS CITRATE AGAR
24124	Fluid Thioglycollate Medium	30013	NITRATE AGAR
24125	SERUM BROTH	30014	MOSSSEL AGAR
24127	Fluid Thioglycollate Medium + 1% Tween 80	30022	T.C.B.S. AGAR
24128	TRYPTIC SOY BROTH + TWEEN 80 1% 20PV	30023	Sabouraud CAF Agar
24135	SALMONELLA DIFFERENTIAL BROTH - 20PV	30024	SABOURAUD CAF + ACTIDIONE AGAR
24136	TRYPTONE WATER	30030	M.R.S. AGAR
24137	MALONATE BROTH	30080	BORDET GENGOU AGAR (Sheep Blood 15%)
24138	LYSINE DECARBOXYLASE BROTH	30081	CHRISTENSEN UREA AGAR
24141	BRAIN HEART INFUSION BROTH 2 ml	30082	Tryptic Soy Agar
24142	PHYSIOLOGICAL SOLUTION 3ml	30083	NUTRIENT AGAR
24143	Selenite Broth	30084	BRAIN HEART INFUSION AGAR
24144	TODD HEWITT w/ Gentamicin/Nalidixic acid	30085	PHENYLALANINE AGAR
24145	TODD HEWITT B. w/ Colistin/Nalid. a.	30087	KLIGLER IRON AGAR
24146	THIOGLYCOLLATE M w/o INDICATOR acc. USP 20PV	30088	KLIGLER IRON AGAR
24147	Thioglycollate Bile	30090	Mueller Hinton II Agar
24149	MR-VP MEDIUM	30091	BIGGY (NICKERSON) AGAR
24161	Sabouraud Dextrose Broth + CAF	30093	SABOURAUD AGAR
24241	Fluid Thioglycollate Medium	30095	SIM MEDIUM
24342	Motility Test Medium	30096	T.S.I. AGAR
24343	MIU Semisolid Agar	30097	Tryptase Agar
24345	O.F. Medium with Glucose	30098	LYSINE IRON AGAR
24400	RAPPAPORT VASSILIADIS SOY (RSV) BROTH	30099	Chocolate Agar
24403	BIOTONE BROTH	30116	LOEFFLER MEDIUM
24404	CAMPYLOBACTER BROTH	30117	PERGOLA MEDIUM
24411	S.F. BROTH	30118	Lowenstein-Jensen Medium
24412	MOSSSEL AND MARTIN w/ MANNITOL	30119	LOWENSTEIN JENSEN MEDIUM w/o GLYCEROL
24416	UREA BROTH	30121	Stonebrink Medium
24430	SCHAEFER BROTH	30125	DORSET EGG MEDIUM
24432	YERSINIA BROTH	30358	MIDDLEBROOK 7H10 AGAR
24436	FUGON BROTH	31023	Sabouraud CAF Agar
24446	PHENOL RED BROTH	31055	SPS Agar
24451	Tetrahionate Broth	31075	Mueller Hinton II Agar
24459	CASO BROTH (Double Concentration) CE	31082	Tryptic Soy Agar
24461	RPMB Broth	31083	Nutrient Agar ISO 16266
24512	Listeria Motility Medium	31090	Mueller Hinton II Agar
24513	TRYPTIC SOY BROTH (Harm-EP)	31097	Tryptose Agar
24514	TRYPTIC SOY BROTH	31099	Chocolate Agar
24515	UREA BROTH	31121	Stonebrink Medium
24516	Glucose Broth	31204	MU Agar
24517	Fluid Thioglycollate Medium 100 x 10 ml	33040	THAYER MARTIN AGAR
24518	Motility Test Medium	33055	MYCOSEL AGAR
24519	RAPPAPORT VASSILIADIS SOY (RSV) BROTH	33060	SERUM TELLURITE AGAR
24520	Glucose Broth	33066	O.N.P.G. AGAR
24521	Fluid Thioglycollate Medium 100 x 10 ml	33085	BILE AESCULIN AGAR
24522	Motility Test Medium	33086	DERMATOPHYTE (D.T.M.) AGAR
24523	RAPPAPORT VASSILIADIS SOY (RSV) BROTH	33118	LU.T.M. MEDIUM
24524	Tryptic Soy Agar	34070	CAMPYLOBACTER AGAR
24525	Glucose Broth	34075	Mueller Hinton II Agar
24526	Fluid Thioglycollate Medium 100 x 10 ml	34121	LOWENSTEIN JENSEN + RIFAMPICIN 15 µg/mL
24527	Tryptic Soy Broth	34121/1	LOWENSTEIN JENSEN + RIFAMPICIN 5 µg/mL
24528	Glucose Broth	34121/2	LOWENSTEIN JENSEN + RIFAMPICIN 10 µg/mL
24529	Fluid Thioglycollate Medium 100 x 10 ml	34121/3	LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL
24530	Brain Heart Infusion Broth	34121/4	LOWENSTEIN JENSEN + RIFAMPICIN 25 µg/mL
24531	Check-Set Broth (radical)	34121/5	LOWENSTEIN JENSEN + RIFAMPICIN 50 µg/mL
24532	CAMPYLOBACTER SELECTIVE THIOGLYCOLLATE MEDIUM	34121/6	LOWENSTEIN JENSEN + RIFAMPICIN 40 µg/mL
30007	CLOSTRIDIUM AGAR (Sheep Blood 5%)		LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL

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34122	LOWENSTEIN JENSEN + RIFAMPICIN 9 µg/mL	34144	LOWENSTEIN JENSEN + PYRUVATE 0.2%
34123	LOWENSTEIN JENSEN + ISONIAZID 0.1 µg/mL	34145	LOW JENSEN - PACT
34123/1	LOWENSTEIN JENSEN + ISONIAZID 0.2 µg/mL I	34145/1	Lowenstein-Jensen + Levofloxacin 2 µg/ml
34123/2	LOWENSTEIN JENSEN + ISONIAZID 1 µg/mL	35000	LOWENSTEIN JENSEN + ISONIAZID 0.20 µg/mL
34123/3	LOWENSTEIN JENSEN + ISONIAZID 5 µg/mL	35001	LOWENSTEIN JENSEN + ISONIAZID 1 µg/mL
34123/4	LOWENSTEIN JENSEN + ISONIAZID 10 µg/mL	35002	LOWENSTEIN JENSEN + RIFAMPICIN 40 µg/mL
34124/1	LOWENSTEIN JENSEN + PYRAZINAMIDE 5 µg/mL	35010	LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL
34124/2	LOWENSTEIN JENSEN + PYRAZINAMIDE 10 µg/mL	35011	LOWENSTEIN JENSEN + RIFAMPICIN 20 µg/mL
34124/3	LOWENSTEIN JENSEN + PYRAZINAMIDE 20 µg/mL	35020	LOWENSTEIN JENSEN + STREPTOMYCIN 4 µg/mL
34124/4	LOWENSTEIN JENSEN + PYRAZINAMIDE 200 µg/mL	35021	LOWENSTEIN JENSEN + STREPTOMYCIN 10 µg/mL
34125/1	LOWENSTEIN JENSEN + STREPTOMYCIN 4 µg/mL	35030	LOWENSTEIN JENSEN + ETHAMBUTOL 2 µg/mL
34125/2	LOWENSTEIN JENSEN + STREPTOMYCIN 10 µg/mL	35040	LOWENSTEIN JENSEN + ETHIONAMIDE 20 µg/mL
34125/3	LOWENSTEIN JENSEN + STREPTOMYCIN 25 µg/mL	35041	LOWENSTEIN JENSEN + ETHIONAMIDE 30 µg/mL
34125/4	LOWENSTEIN JENSEN + STREPTOMYCIN 50 µg/mL	35050	LOWENSTEIN JENSEN + PYRAZINAMIDE 1 µg/mL
34126/1	LOWENSTEIN JENSEN + ETHAMBUTOL 2 µg/mL	35060	LOWENSTEIN JENSEN + KANAMYCIN 20 µg/mL
34126/2	LOWENSTEIN JENSEN + ETHAMBUTOL 3 µg/mL	35061	LOWENSTEIN JENSEN + KANAMYCIN 30 µg/mL
34126/3	LOWENSTEIN JENSEN + ETHAMBUTOL 5 µg/mL	35070	LOWENSTEIN JENSEN + PAS 0.5 µg/mL
34126/4	LOWENSTEIN JENSEN + ETHAMBUTOL 1 µg/mL	35080	LOWENSTEIN JENSEN + OFLOXACIN 2 µg/mL
34126/5	LOWENSTEIN JENSEN + ETHAMBUTOL 10 µg/mL	35081	LOWENSTEIN JENSEN + OFLOXACIN 40 µg/mL
34127	LOWENSTEIN JENSEN + AMIKACIN 5 µg/mL	35082	LOWENSTEIN JENSEN + OFLOXACIN 20 µg/mL
34127/1	LOWENSTEIN JENSEN + AMIKACIN 4 µg/mL	35090	LOWENSTEIN JENSEN + CAPREOMYCIN 30 µg/mL
34128/1	LOWENSTEIN JENSEN + OFLOXACIN 5 µg/mL	35091	LOWENSTEIN JENSEN + CAPREOMYCIN 20 µg/mL
34128/2	LOWENSTEIN JENSEN + OFLOXACIN 10 µg/mL	35147	LOWENSTEIN JENSEN + PNB 500 µg/mL
34128/3	LOWENSTEIN JENSEN + OFLOXACIN 25 µg/mL	35148	LOWENSTEIN JENSEN + TOH 2 µg/mL
34128/4	LOWENSTEIN JENSEN + OFLOXACIN 2 µg/mL	35001/12	IUTM + STREPTOMYCIN 2 µg/mL
34128/5	LOWENSTEIN JENSEN + OFLOXACIN 20 µg/mL	35001/3	IUTM + STREPTOMYCIN 4 µg/mL
34129/1	LOWENSTEIN JENSEN + PAS 1 µg/mL	35001/4	IUTM + STREPTOMYCIN 10 µg/mL
34129/2	LOWENSTEIN JENSEN + PAS 0.5 µg/mL	35001/5	IUTM + STREPTOMYCIN 25 µg/mL
34129/3	LOWENSTEIN JENSEN + PAS 0.1 µg/mL	35001/6	IUTM + STREPTOMYCIN 50 µg/mL
34129/4	LOWENSTEIN JENSEN + PAS 0.1 µg/mL	35002/1	IUTM + ISONIAZID 0.1 µg/mL
34129/5	LOWENSTEIN JENSEN + PAS 5 µg/mL	35002/2	IUTM + ISONIAZID 0.2 µg/mL
34130/1	LOWENSTEIN JENSEN + RIFABUTIN 10 µg/mL	35002/3	IUTM + ISONIAZID 1 µg/mL
34130/2	LOWENSTEIN JENSEN + RIFABUTIN 30 µg/mL	35002/4	IUTM + ISONIAZID 5 µg/mL
34130/3	LOWENSTEIN JENSEN + RIFABUTIN 50 µg/mL	35002/5	IUTM + ISONIAZID 10 µg/mL
34131/1	LOWENSTEIN JENSEN-CLARITHROMYCIN 4 µg/mL	35003/1	IUTM + ETHAMBUTOL 1 µg/mL
34131/2	LOWENSTEIN JENSEN-CLARITHROMYCIN 32 µg/mL	35003/2	IUTM + ETHAMBUTOL 2 µg/mL
34132/1	LOWENSTEIN JENSEN + ETHIONAMIDE 10 µg/mL	35003/3	IUTM + ETHAMBUTOL 3 µg/mL
34132/2	LOWENSTEIN JENSEN + ETHIONAMIDE 20 µg/mL	35003/4	IUTM + ETHAMBUTOL 5 µg/mL
34132/3	LOWENSTEIN JENSEN + ETHIONAMIDE 30 µg/mL	35003/5	IUTM + ETHAMBUTOL 10 µg/mL
34132/4	LOWENSTEIN JENSEN + ETHIONAMIDE 40 µg/mL	35004/1	IUTM + RIFAMPICIN 5 µg/mL
34135/1	LOWENSTEIN JENSEN + NICOTINAMIDE 10 µg/mL	35004/2	IUTM + RIFAMPICIN 10 µg/mL
34135/2	LOWENSTEIN JENSEN + NICOTINAMIDE 20 µg/mL	35004/3	IUTM + RIFAMPICIN 20 µg/mL
34135/3	LOWENSTEIN JENSEN + NICOTINAMIDE 30 µg/mL	35004/4	IUTM + RIFAMPICIN 40 µg/mL
34136	LOWENSTEIN JENSEN + CYCLOSERINE 10 µg/mL	35004/5	IUTM + RIFAMPICIN 50 µg/mL
34137/1	LOWENSTEIN JENSEN + CYCLOSERINE 30 µg/mL	35005/1	IUTM + RIFABUTIN 10 µg/mL
34137/2	LOWENSTEIN JENSEN + CYCLOSERINE 50 µg/mL	35005/2	IUTM + RIFABUTIN 20 µg/mL
34137/3	LOWENSTEIN JENSEN + CYCLOSERINE 10 µg/mL	35005/3	IUTM + RIFABUTIN 30 µg/mL
34137/4	LOWENSTEIN JENSEN + CYCLOSERINE 20 µg/mL	35005/4	IUTM + RIFABUTIN 40 µg/mL
34137/5	LOWENSTEIN JENSEN + CYCLOSERINE 30 µg/mL	35005/5	IUTM + RIFABUTIN 50 µg/mL
34138/1	LOWENSTEIN JENSEN + CAPREOMYCIN 10 µg/mL	35006/1	IUTM + CYCLOSERINE 10 µg/mL
34138/2	LOWENSTEIN JENSEN + CAPREOMYCIN 20 µg/mL	35006/2	IUTM + CYCLOSERINE 20 µg/mL
34138/3	LOWENSTEIN JENSEN + CAPREOMYCIN 30 µg/mL	35006/3	IUTM + CYCLOSERINE 30 µg/mL
34138/4	LOWENSTEIN JENSEN + CAPREOMYCIN 40 µg/mL	35006/4	IUTM + CYCLOSERINE 40 µg/mL
34139/1	LOWENSTEIN JENSEN + CLOFAZIMINE 5 µg/mL	35006/5	IUTM + CYCLOSERINE 50 µg/mL
34139/2	LOWENSTEIN JENSEN + CLOFAZIMINE 10 µg/mL	35007/1	IUTM + OFLOXACIN 1.25 µg/mL
34139/3	LOWENSTEIN JENSEN + KANAMYCIN 10 µg/mL	35007/2	IUTM + OFLOXACIN 2.5 µg/mL
34143/1	LOWENSTEIN JENSEN + KANAMYCIN 20 µg/mL	35007/3	IUTM + OFLOXACIN 25 µg/mL
34143/2	LOWENSTEIN JENSEN + KANAMYCIN 30 µg/mL	35007/4	IUTM + OFLOXACIN 25 µg/mL
34143/3	LOWENSTEIN JENSEN + KANAMYCIN 40 µg/mL	35007/5	IUTM + OFLOXACIN 50 µg/mL

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36008/1	IUTM + PAS 0.1 µg/mL	40236/0	SALMONELLA RAPID TEST 6X100 ml
36008/2	IUTM + PAS 0.5 µg/mL	40237/0	SABOURAUD CAF AGAR 6X100 ml
36008/3	IUTM + PAS 1 µg/mL	40238/0	BRAIN HEART INFUSION AGAR 6X100 ml
36008/4	IUTM + PAS 5 µg/mL	40239/0	PEPTONE DILUTIONS 6X100 ml
36008/5	IUTM + PAS 10 µg/mL	40240/0	MAC CONKEY SORBITOL AGAR 6X100 ml
36009/1	IUTM + PYRAZINAMIDE 10 µg/mL	40250/0	Fluid Thioglycollate Medium + 1% Tween 80
36009/2	IUTM + PYRAZINAMIDE 30 µg/mL	40257/0	X.L.D. AGAR 6X100 ml
36009/3	IUTM + PYRAZINAMIDE 50 µg/mL	40323/0	BIOTONE BROTH 6X100 ml
36009/4	IUTM + PYRAZINAMIDE 70 µg/mL	40365/0	S.L.M. MEDIUM 6X100 ml
36009/5	IUTM + PYRAZINAMIDE 90 µg/mL	40366/0	UREA INDOLE BROTH 6X100 ml
37001	MIDDLEBROOK 7H11 + AMIKACIN 2 µg/mL	40313/0	Monsieur Agar 6 x 100 ml
37002	MIDDLEBROOK 7H11 + AMIKACIN 4 µg/mL	40314/0	TGS Agar 6 x 100 ml
37006	MIDDLEBROOK 7H11 + ETHAMBUTOL 7.5 µg/mL	41201/0	BRAIN HEART INFUSION BROTH 6X200 ml
37011	MIDDLEBROOK 7H11 + ETHIONAMIDE 10 µg/mL	41203/0	SIMMONS CITRATE AGAR 6X200 ml
37016	MIDDLEBROOK 7H11 + ISONIAZIDE 0.2 µg/mL	41204/0	LYSINE IRON AGAR 6X200 ml
37017	MIDDLEBROOK 7H11 + ISONIAZIDE 0.2 µg/mL	41205/0	Selenite Broth 6 x 200 ml
37021	MIDDLEBROOK 7H11 + KANAMYCIN 6 µg/mL	41206/0	TODD HEWITT BROTH 6X200 ml
37026	MIDDLEBROOK 7H11 + PAS 8 µg/mL	41208/0	TRICHOMONAS BROTH 6X200 ml
37031	MIDDLEBROOK 7H11 + PYRAZINAMIDE 25 µg/mL	41210/0	CHRISTENSEN UREA AGAR 5X200 ml
37036	MIDDLEBROOK 7H11 + RIFABUTIN 1 µg/mL	41211/0	TRYPTIC SOY BROTH + TWEEEN 80 1% 6X200ml
37037	MIDDLEBROOK 7H11 + RIFABUTIN 0.5 µg/mL	41213/0	PSEUDOMONAS AGAR BASE 6X200ml
37041	MIDDLEBROOK 7H11 + RIFAMPICIN 1 µg/mL	41215/0	AZIDE BLOOD AGAR BASE 6X200 ml
37046	MIDDLEBROOK 7H11 + STREPTOMYCIN 2 µg/mL	41217/0	PHENYLALANINE AGAR 6X200 ml
37051	MIDDLEBROOK 7H11 + OXYLOXACIN 2 µg/mL	41218/0	CLED AGAR 6X200 ml
37055	MIDDLEBROOK 7H11 + OXYLOXACIN 2 µg/mL	41219/0	NUTRIENT AGAR 6X200 ml
40020	Fluid Thioglycollate Medium 6 x 100 ml	41221/0	COLUMBIA CNA AGAR BASE 6X200 ml
40020	Fluid Thioglycollate Medium 6 x 100 ml	41223/0	HEKTOEN ENTERIC AGAR 6X200 ml
40020	Fluid Thioglycollate Medium 6 x 100 ml	41224/0	MAC CONKEY AGAR 6X200 ml
40020	Fluid Thioglycollate Medium 6 x 100 ml	41225/0	MUELLER HINTON II AGAR 6X200 ml
401890	BUFFER SOLUTION pH 7 6X100 ml	41227/0	PSEUDOMONAS CETRIMIDE AGAR 6X200 ml
401930	SFS Agar 6X150 ml	41228/0	SABOURAUD AGAR 6X200 ml
401980	TRYPTONE WATER 6X100 ml	41229/0	MANNITOL SALT AGAR 6X200 ml
401990	Alkaline Peptone Water 6 x 100 ml	41230/0	S.S. AGAR 6X200 ml
402000	NUTRIENT BROTH 6X100 ml	41237/0	SABOURAUD CAF AGAR 6X200 ml
402020	MUELLER HINTON I BROTH 6X100 ml	41301/0	ISOSENSITEST AGAR 6X200 ml
402030	MUELLER KAUFFMANN BROTH 6X100 ml	41303/0	CAMPYLOBACTER AGAR 6X200 ml
402040	Sabouraud Dextrose Broth 6 x 100 ml	41304/0	CLOSTRIDIUM AGAR BASE 6X200 ml
402050	Selenite Broth 6 x 100 ml	41308/0	NUTRIENT AGAR acc. to ISO 6579
402060	SALMONELLA DIFF. BROTH 6X90 ml	41313/0	Peptone Water pH 8.4 + NaCl 1% 6X225 ml
402070	TRYPTONE BROTH 6X100 ml	43205/0	Selenite Broth (Double Concentration)
402120	WRS AGAR 6X100 ml	43208/0	TRYPTIC SOY BROTH 6X225 ml
402130	PEPTONE WATER 6X100 ml	43220/0	TRYPTIC SOY AGAR 6 x 200 ml
402140	BLOOD AGAR BASE 6X100 ml	43225/0	D-Nap TEST AGAR 6X200 ml
402170	AZIDE BLOOD AGAR BASE 6X100 ml	44208/0	TRYPTIC SOY BROTH 6X200 ml
402180	CLED AGAR 6X100 ml	44220/0	Chocolate Agar 6X100 ml
402200	NUTRIENT AGAR 6X100 ml	44228/0	SABOURAUD MODIFIED AGAR 6X100 ml
402210	DERMATOPHYTE (D.T.M.) AGAR 6X100 ml	44230/0	TRYPTIC LACTOSE AGAR 6X100 ml
402220	COLUMBIA CNA AGAR BASE 6X100 ml	44232/0	WURZ LACTOSE AGAR 6X100 ml
402230	HEKTOEN ENTERIC AGAR 6X100 ml	44235/0	BILE AESCULIN AGAR 6X100 ml
402240	MAC CONKEY AGAR 6X100 ml	44236/0	SPS AGAR 6X100 ml
402250	MUELLER HINTON II AGAR 6X100 ml	44240/0	Alkaline Peptone Water 25 x 225 ml
402260	PSEUDOMONAS CETRIMIDE AGAR 6X100 ml	45140/4	Sabouraud Dextrose Broth 25 x 100 ml
402270	SABOURAUD CAF	45205/0	Fluid Thioglycollate Medium 6 x 100 ml
402280	WRS AGAR 6X100 ml	45208/0	TRYPTIC SOY BROTH 6X100 ml
402290	PEPTONE WATER 6X100 ml	45221/0	COLUMBIA AGAR BASE 6X200 ml
402300	DESOXYCHOLATE AGAR 6X100 ml	45250/0	Fluid Thioglycollate Medium + 1% Tween 80 25 x 100 ml
402310	E.M.B. LEVINE AGAR 6X100 ml	45305/0	Fluid Thioglycollate Medium 25 x 100 ml
402320	AEROMONAS AGAR BASE 6X100 ml	45310/0	Fluid Thioglycollate Medium 6 x 900 ml

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610049	LEGIONELLA BOYE AGAR BASE (ISO 11731)	6101475	SLANETZ AND BARTLEY AGAR + TTC
610050	Fluid Thioglycollate Medium	610148	SPS AGAR
6100505	Fluid Thioglycollate Medium	610151	BILE AESCULIN BROTH
610051	TODD HEWITT BROTH	610152	AMIES TRANSPORT MEDIUM + CHARC.
6100515	TODD HEWITT BROTH	6101525	AMIES TRANSPORT MEDIUM + CHARC.
610052	Tryptic Soy Agar	610153	AZIDE VIOLET BLOOD AGAR BASE
6100525	Tryptic Soy Agar	610155	BIOTONE AGAR
610053	TRYPTIC SOY BROTH	610157	BIOTONE AGAR
6100535	TRYPTIC SOY BROTH	610158	BIOTONE BROTH
610055	T.S.I. AGAR USP	610159	GLYM SELECTIVE WITH CAF
610056	CLOSTRIDIUM BROTH	610160	DERMATOPHYTE (D.T.M.) AGAR
6100565	CLOSTRIDIUM BROTH	610161	DEXTROSE BROTH
610057	MAC CONKEY AGAR No.2	610163	G.N. HAINA BROTH
6100575	MAC CONKEY AGAR No.2 5 KG	610164	HERELLEA AGAR
610060	X.L.D. AGAR (ISO 6578)	610165	HERELLEA AGAR
6100605	X.L.D. AGAR	610165	KOSER CITRATE MEDIUM
610061	TRICHOMONAS BROTH	610168	LISTERIA PALCAM AGAR
610065	GSB AGAR BASE (ISLAMI)	610169	L.U.T. M. MEDIUM
610071	PSEUDOMONAS AGAR BASE	610170	MAC CONKEY MMC AGAR
610072	CZAPEK DOX BROTH	6101705	MAC CONKEY MMC AGAR
610075	PHENYLALANINE MALONATE BROTH	610172	MALONATE BROTH
610078	BRUCELLA AGAR BASE	610174	PHENOL RED BROTH BASE
610080	WORT BROTH - W/O NaCl	610175	PAPAPORT VASSILIADIS BROTH (ISO 6746-6579)
610092	XLT 4 AGAR	610176	ROGOSA AGAR
610095	CZAPEK DOX AGAR	610177	ROGOSA BROTH
610096	REINFORCED CLOSTRIDIAL AGAR	610179	SABOURAUD CAF AGAR + ACTIDIONE
610097	STAPHYLOCOCCUS BROTH	610180	S.F. BROTH
610098	Alkaline Phosphate Water	610181	S.I.M. MEDIUM
610101	MALT AGAR	610182	STUART TRANSPORT MEDIUM
610103	SABOURAUD AGAR	610183	TETRAHONATE BROTH BASE
6101035	SABOURAUD AGAR	610185	TRYPTIC (CTA) MEDIUM
610107	Sabouraud Dextrose Broth	610186	VOGEL JOHNSON AGAR
610108	UREA AGAR BASE (ISO 6785)	610188	BLOOD AGAR BASE N. 2
610109	MAC CONKEY SORBITOL AGAR	610191	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
610110	P.P.L.O. BROTH	6101915	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
610111	MUELLER HINTON AGAR MODIFIED	610193	TRYPTONE AGAR
610112	YERSINIA SELECTIVE AGAR BASE	610195	MAC CONKEY AGAR w/o CRYSTAL VIOLET
610113	CLED ANDRADE AGAR	610196	TRYPTIC BILE AGAR
610115	COLUMBIA OXA AGAR BASE	610197	TRYPTOFAN BROTH
610117	BACILLUS CEREUS AGAR BASE (MOSSEL) ISO 7332	610200	CAMPYLOBACTER KARMALI AGAR BASE
610118	CLOSTRIDIUM DIFFICILE AGAR BASE	610203	SABOURAUD CAF AGAR
610119	TRYPTONE YEAST AGAR	6102035	SABOURAUD CAF AGAR 5 KG
610123	CORN MEAL AGAR	610205	DNAe TEST AGAR
610125	ANDRADE LACTOSE PEPTONE WATER	610206	TRYPTONE WATER (ISO/DIS 3811)
610128	LEGIONELLA OYE AGAR BASE	610207	CLOSTRIDIUM PERFRIGENS AGAR BASE
610130	MAC CONKEY AGAR w/o BILE SALT	610210	BILE AESCULIN AGAR
610131	CAMPYLOBACTER BLOOD FREE MEDIUM BASE	610211	KLEIGER IRON AGAR MOD.
610132	CAMPYLOBACTER ENRICHMENT BROTH BASE	610214	MIDDLEBROOK 7H9 BROTH BASE
610133	NOTILITY TEST AGAR	610217	NUTRIENT BROTH N.2
610135	SLANETZ AND BARTLEY AGAR ISO 7889 2	610218	Mueller Hinton II Broth
610136	BACILLUS CEREUS AGAR BASE (PEMBA)	610221	ANTIBIOTIC TEST MEDIUM
610137	SCHAEFER BROTH	6102225	CLOSTRIDIUM BROTH w/o AGAR
610140	E.M.B. AGAR w/ LACTOSE - SUCROSE	610223	CLOSTRIDIUM BROTH w/o AGAR
610143	LIVER BROTH	610227	MAC CONKEY AGAR w/o Sali
610144	MRS BROTH w/o GLUCOSE	610229	PHENOL RED AGAR BASE
610145	Salmonella Broth	610229	ANTIBIOTIC MEDIUM E
610155	Salmonella Broth	610230	OXIDATIVE/FERMENTATIVE MEDIUM
610156	Salmonella Broth	610233	TRYPTONE BROTH
610157	SLANETZ AND BARTLEY AGAR + TTC	610235	MANNITOL MOTILITY TEST MEDIUM
610158	SLANETZ AND BARTLEY AGAR (M.U.)	610236	MOTILITY INDOLE UREA AGAR (M.U.)

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610245	LB AGAR	611010	T.C.B.S. AGAR
610301	BISMUTH SULPHITE AGAR	611015	SIERRA LIPOLYTIC AGAR
610303	Lyline Decarboxylase Broth	611021	HEART INFUSION BROTH
610304	OF BASAL MEDIUM	6110215	HEART INFUSION BROTH
610305	ORNITHINE DECARBOXYLASE BROTH	611022	MIDDLEBROOK 7H10 AGAR BASE
610306	ARGININE DECARBOXYLASE BROTH	611203	SABOURAUD CAF (100) AGAR
610308	PHENOL RED AGAR BASE	611210	WURTZ LACTOSE AGAR
610309	PSEUDOMONAS AGAR F	611265	ISOSENSITEST AGAR
610310	PSEUDOMONAS AGAR P	611366	STAPHYLOCOCCUS 110 AGAR
610311	UREA BROTH	611367	BILE BACTERIOLOGICAL
610315	ANTIBIOTIC AGAR N.11	611401	IRON SULPHITE AGAR
610319	PRIZER SELECTIVE ENTEROCOCCUS AGAR	611402	CARY BLAIR TRANSPORT MEDIUM
610322	NITRATE BROTH	611502	CASEIN PEPTONE
610331	DIAGNOSTIC SENSITIVITY TEST AGAR (O.S.T.)	611601	GLUCOSE
610339	T.S.I. AGAR accP	6116015	GLUCOSE
610341	EMCON BROTH	611602	Maltose
610343	MANNITOL SALT BROTH	611618	CHROMATIC™ MH
610363	Yeast Extract Sodium Lactate medium	611619	CHROMATIC™ CRE AGAR BASE
610364	Tryptase Phosphate Broth	611701	PEPTONE BACTERIOLOGICAL
6103645	Tryptase Phosphate Broth	6117015	PEPTONE BACTERIOLOGICAL
610372	Cooked Meat Medium	611706	Hemoglobin
610492	POLYPEPTONE	611801	SUCROSE
610495	BRAIN HEART INFUSION	6118015	SUCROSE
6104955	BRAIN HEART INFUSION	611901	BILE SALT N.3
610496	ACID HYDROLISATE OF CASEIN	6119015	BILE SALT N.3
610497	BEEF EXTRACT	612001	LIVER EXTRACT
6104975	BEEF EXTRACT	6120015	LIVER EXTRACT
610498	LACTOSE	612101	PEPTONE MYCOLOGICAL
6104985	LACTOSE	6121015	PEPTONE MYCOLOGICAL
610506	CYSTINE HEART AGAR	612201	PROTEOSE PEPTONE
610511	CHROMATIC™ SALMONELLA	6122015	PROTEOSE PEPTONE
610512	CHROMATIC™ DETECTION	612202	STREPTOCOCCUS SELECTIVE AGAR
6105125	CHROMATIC™ DETECTION	612203	STREPTOCOCCUS BROTH
610513	CHROMATIC™ CANDIDA	612501	SOY PEPTONE
610514	Chromatic™ E.coli O157	6125015	SOY PEPTONE
610515	CHROMATIC™ MRSA	620001	BILE AESCULIN AZIDE AGAR
610516	CHROMATIC™ STAPH AUREUS	620002	DEXTROSE AGAR
610517	CHROMATIC™ STREP B	620005	BLOOD AGAR BASE
610525	SABOURAUD CAF (50 mg/L) AGAR	620006	BORDET GENGOU AGAR BASE
610527	MUELLER HINTON II AGAR	620007	BRAIN HEART INFUSION AGAR
6105275	MUELLER HINTON II AGAR	620008	BRAIN HEART INFUSION BROTH
610528	CHROMATIC™ ESEL	620009	BRIGHT GREEN AGAR
610533	Chromatic™ Vibrio	620012	CLED AGAR
611000	SODIUM CHLORIDE	620013	COLUMBIA AGAR BASE
611001	AGAR	620014	DESIOXYCHOLATE AGAR
6110015	AGAR	620015	DESIOXYCHOLATE CITRATE AGAR
611002	GELATIN BACTERIOLOGICAL	620016	DRIGALSKY LACTOSE AGAR
6110025	GELATIN BACTERIOLOGICAL	620019	E.M.B. LEVINE AGAR
611003	SODIUM SELENITE	620021	HEKTOEN ENTERIC AGAR
6110035	SODIUM SELENITE	620022	G.C. MEDIUM
611004	TRYPTONE	620023	KLEIGER IRON AGAR
6110045	TRYPTONE	620024	M.R.S. AGAR (ISO/DIS 15214)
611005	YEAST EXTRACT	620025	M.R.S. BROTH (ISO/DIS 15214)
6110055	YEAST EXTRACT	620026	LOWENSTEIN JENSEN MEDIUM
611006	MALT EXTRACT	620027	LYSINE IRON AGAR
6110065	MALT EXTRACT	620028	MAC CONKEY AGAR
611007	CAMPYLOBACTER AGAR BASE	620029	MANNITOL SALT AGAR
611008	TRYPTONE	620032	MRVP BROTH
6110085	TRYPTONE	620033	MUELLER HINTON AGAR
611009	GLUCOSIO	620034	MUELLER HINTON BROTH

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620035	MULLER KAUFFMANN BROTH	620146	SABOURAUD MALTOSSE AGAR
620036	Nutrient Agar ISO 18286	620147	SLANETZ AND BARTLEY AGAR + TTC
620037	NUTRIENT BROTH	620148	SFS AGAR
620038	PEPTONE WATER	620151	BILE AESCULIN BROTH
620039	PHENYLALANINE AGAR	620152	AMIES TRANSPORT MEDIUM + CHARG.
620041	PSEUDOMONAS CETRIMIDE AGAR (ISO 8360-1)	620153	ACIDE BLOOD AGAR BASE
620042	SS AGAR (MODIFIED)	620155	ACIDE VIOLET BLOOD AGAR BASE
620043	SCHAEFER AGAR BASE	620157	BIOTONE AGAR
620044	PURPLE LACTOSE AGAR	620158	BIOTONE BROTH
620046	SIMMONS CITRATE AGAR	620159	CPLM SELECTIVE WITHCAF
620047	MONSIEUR AGAR	620160	DERMATOPHYTE (D.T.M.) AGAR
620048	AEROMONAS AGAR BASE	620161	DEXTRIOSE BROTH
620049	LEGIONELLA CYE AGAR BASE (ISO 11731)	620163	G.N. HAINA BROTH
620050	Fluid Thioglycollate Medium	620164	HERELLEA AGAR
620051	TODD HEWITT BROTH	620165	KOSER CITRATE BROTH
620052	Tryptic Soy Agar	620166	LISTERIA PALCAM AGAR
620053	TRYPTIC SOY BROTH	620169	LIU.T.M. MEDIUM
620055	T.S.I. AGAR USP	620170	MAC CONKEY MMS AGAR
620056	CLOSTRIDIUM BROTH	620172	MALONATE BROTH
620057	MAC CONKEY AGAR No.2	620174	PHENOL RED BROTH BASE
620060	X.L.D. AGAR (ISO 6579)	620175	RAPPAPORT VASSILIADIS BROTH
620061	TRICHOMONAS BROTH	620176	HOGOSA AGAR
620065	GSB AGAR BASE (ISLM)	620177	ROGOSA BROTH
620071	PSEUDOMONAS AGAR BASE	620179	SABOURAUD CAF AGAR + ACTIDIONE
620072	CZAPEK DOX BROTH	620180	S.F. BROTH
620075	PHENYLALANINE MALONATE BROTH	620181	S.I.M. MEDIUM
620079	BRUCELLA AGAR BASE	620182	STUART TRANSPORT MEDIUM
620082	XLT 4 AGAR	620183	TETRATHIONATE BROTH BASE
620085	CZAPEK DOX AGAR	620185	TRYPTIC (OTA) MEDIUM
620086	REINFORCED CLOSTRIDIAL AGAR	620186	VOGEL JOHNSON AGAR
620087	STAPHYLOCOCCUS BROTH	620188	BLOOD AGAR BASE N. 2
620088	Alkaline Phosphate Water	620189	AMIES TRANSPORT MEDIUM (w/o CHARCOAL)
620101	MALT AGAR	620193	TRYPTOSE AGAR
620103	SABOURAUD AGAR	620195	MAC CONKEY AGAR w/o CRYSTAL VIOLET
620104	Sabouraud Dextrose Broth	620196	TRYPTIC BILE AGAR
620107	UREA AGAR BASE (ISO 6785)	620197	TRYPTOFAN BROTH
620108	MAC CONKEY SORBITOL AGAR	620200	CAMPYLOBACTER KARMALI AGAR BASE
620109	P.P.L.O. BROTH	620203	SABOURAUD CAF AGAR
620110	MUELLER HINTON AGAR MODIFIED	620205	DNAse TEST AGAR
620111	YERSINIA SELECTIVE AGAR BASE	620206	TRYPTONE WATER (ISO/DIS 3811)
620112	CLED ANDRADE AGAR	620207	CLOSTRIDIUM PERFRINGENS AGAR BASE
620113	COLUMBIA OXA AGAR BASE	620210	BILE AESCULIN AGAR
620114	BACILLUS CEREUS AGAR BASE (MOSSEL) ISO 7892	620211	MIDDLEBROOK 7H9 BROTH BASE
620115	CLOSTRIDIUM DIFFICILE AGAR BASE	620217	NUTRIENT BROTH N.2
620117	TRYPTONE YEAST AGAR	620218	Mueller Hinton II Broth
620118	ANDRADE LACTOSE PEPTONE WATER	620227	PHENOL RED AGAR BASE
620122	MIDDLEBROOK 7H10 AGAR BASE	620229	ANTIBIOTIC MEDIUM E
620123	CORN MEAL AGAR	620233	TRYPTOSE BROTH
620124	LEGIONELLA CYE AGAR BASE	620235	MANNITOL MOTILITY TEST MEDIUM
620130	CAMPYLOBACTER BLOOD FREE MEDIUM BASE	620303	Lysine Decarboxylase Broth
620131	CAMPYLOBACTER ENRICHMENT BROTH BASE	620309	PSEUDOMONAS AGAR F
620132	MOTILITY TEST AGAR	620311	UREA BROTH
620134	SLANETZ BARTLEY AGAR ISO 7899-2	620495	BRAIN HEART INFUSION
620136	BIGGY (MCKINSON) AGAR	620496	ACID HYDROLYSATE OF CASEIN
620137	BACILLUS CEREUS AGAR BASE (PEMBA)	620497	BEEF EXTRACT
620140	SCHAEFER BROTH	620498	LACTOSE
620145	EJAB AGAR w LACTOSE - SUCROSE	620511	CHROMATIC™ SALMONELLA
620147	LIVER BROTH	620512	CHROMATIC™ DETECTION
620148	MRS BROTH w/o GLUCOSE	620513	CHROMATIC™ CANDIDA
620149	Selenite Broth		

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620514	Chromatic™ E coli O157	79032	SensiQuattro Gram-positive 4 Test
620515	CHROMATIC™ MRSA	79033	SensiQuattro Candida EU 4 Test
620516	CHROMATIC™ STAPH ALPHEUS	79156	A.F. GENITAL SYSTEM 4 Test
620517	CHROMATIC™ STREP B	79160	URIN SYSTEM Plus 4 Test
620527	MUELLER HINTON II AGAR	79161	URIN SYSTEM Chrom 4 Test
620529	CHROMATIC™ ESBL	79550	STREPTO SYSTEM 12 R 8 Test
621000	SODIUM CHLORIDE	79592	MYCOPLASMA SYSTEM Plus 4 Test
621001	AGAR	79618	ENTEROSYSTEM 18R 4 Test
621003	SODIUM SELENITE	79619	Enterosystem 24R 4 Test
621004	TRYPTONE	79620	Anaerobe System 4 Test
621005	YEAST EXTRACT	79630	STAF SYSTEM 18 R 4 Test
621006	MALT EXTRACT	79670	COPRO SYSTEM 8 Test
621007	CAMPYLOBACTER AGAR BASE	79675	COPRO SYSTEM Plus 4 Test
621010	TCS AGAR	79678	PATHOGENIC SYSTEM DOUBLE 8 Test
621015	SIERRA LIPOLYTIC AGAR	79679	PATHOGENIC SYSTEM 4 Test
621021	HEART INFUSION BROTH	79681	PATHOGENIC SYSTEM AST
621022	MIDDLEBROOK 7H10 AGAR BASE	79714	INTEGRAL SYSTEM ENTEROBACTERI 4 Test
621210	WURTZ LACTOSE AGAR	79718	INTEGRAL SYSTEM STAFLOCOCCI 4 Test
621265	ISOSENSITEST AGAR	79720	INTEGRAL SYSTEM STREPTOCOCCI 4 Test
621367	BILE BACTERIOLOGICAL	79724	INTEGRAL SYSTEM GARDNERELLA 4 Test
621401	IRON SULPHITE AGAR	79822	INTEGRAL SYSTEM YEASTS Plus 4 Test
621402	CARY BLAIR TRANSPORT MEDIUM	80005	IODINE MALT SOLUTION 10 x 10 ml
621601	GLUCOSE	80010	XLT 4 supplement 2 x 50 ml
621618	CHROMATIC™ MH	80021	GLYCEROL supplement 4 x 50 ml
621619	CHROMATIC™ CRE AGAR BASE	80022	POTASSIUM TELLURITE 1% suppl. 5 x 10 ml
621701	PEPTONE BACTERIOLOGICAL	80031	TWEEN 80 supplement 2 x 50 ml
622202	STREPTOCOCCUS SELECTIVE AGAR	80040	CHROMATIC™ SALMONELLA Supplement 2x50 ml
630026	LOWENSTEIN JENSEN MEDIUM w GLYCEROL 1 ltr	80047	MULLER KAUFFMANN 3x50 ml (iodoB.G.0.1%)
71618	ENTEROSYSTEM 18R 20 Test	80053	VITAMIN K 1% supplement 5 x 5 ml
71619	Enterosystem 24R 20 Test	80055	LEGIONELLA growth supplement 10 vials
71620	Anaerobe System 20 Test	80057	H2O2 REAGENT 1 x 10 ml
71630	STAF SYSTEM 18 R 20 Test	80060	DECONTAM-KIT
71670	COPRO SYSTEM 40 Test	80110	UREA 40%
71675	COPRO SYSTEM Plus 20 Test	80219	EGG YOLK emulsion 4 x 50 ml
71678	PATHOGENIC SYSTEM DOUBLE 40 Test	80232	ENTEROSYSTEM 18R REAGENT 100/200 Test
71679	PATHOGENIC SYSTEM 20 Test	80253	COPRO SYSTEM REAGENTS (anistara)
71681	PATHOGENIC SYSTEM AST	80257	LISTERIA SYSTEM 18R REAG 100/200 Test
71714	INTEGRAL SYSTEM ENTEROBACTERI 20 Test	80258	AF GENITAL SYSTEM REAGENT
71718	INTEGRAL SYSTEM STAFLOCOCCI 20 Test	80260	IDENTIF. SYSTEM REAGENT 100/200 Test
71720	INTEGRAL SYSTEM STREPTOCOCCI 20 Test	80271	KOVACS REAGENT 4x25 ml
71724	INTEGRAL SYSTEM GARDNERELLA 20 Test	80272	FERRIC OHLORIDE -10%-2x25 ml
71822	INTEGRAL SYSTEM YEASTS Plus 20 Test	80273	NINHODIN 7% 10 ml
72580	STREPTO SYSTEM 12 R 40 Test	80275	MIF COLOR KIT 50 Test
72592	MYCOPLASMA SYSTEM Plus 20 Test	80276	ZIEHL-NEESEN 3 x 250 ml
74155	A.F. GENITAL SYSTEM 20 Test	80277	METHYLENE BLUE Solution 250 ml
74160	URIN SYSTEM Plus 20 Test	80279	VASELINE OIL 4 x 50 ml
74161	URIN SYSTEM Chrom 20 Test	80280	V.P. TEST Reagent 10x10ml
75001	SensiTest Cefdinir 0.25 - 16 mg/L	80281	V.P. TEST EP 10 x 10 ml
76010	Sensi Test gram-negative 20 Test	80282	Kit May-Grunwald Giemsa
76020	Sensi Test gram-negative 20 Test	80290	SAPHANIN SOLUTION 1000 ml
76031	SensiQuattro Gram-negative 20 Test	80291	POTASSIUM TELLURITE 3.5% suppl. 5x10 ml
76032	SensiQuattro Gram-positive 20 Test	80292	UREA 40 % supplement 10 x 5 ml
76033	SensiQuattro Candida EU 20 Test	80293	GRAM COLOR KIT 4 x 250 ml
76618	ENTERO PLURI TEST 10 Test	80294	KIT COLOR ALBERT 2 x 250 ml
76619	ENTERO PLURI TEST 25 Test	80295	DECOLORIZING SOLUTION 1000 ml
76620	OXI-FERM PLURI TEST 10 Test	80296	LUGOL PVP SOLUTION 1000 ML
76821	OXI-FERM PLURI TEST 25 Test	80298	LUGOL PVP SOLUTION 250 ml
79010	Sensi Test gram-negative 4 Test	80299	CRYSTAL VIOLET SOLUTION 1000 ml
79020	Sensi Test gram-positive 4 Test	80300	TTC 1% supplement 5 x 10 ml
79031	SensiQuattro Gram-negative 4 Test	80350	ANTIBIOTIC TEST

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80351	RAPID ANTIBIOTIC TEST	30 Test
80380	KIN/YOUNG COLOR KIT	2 x 250 ml
80390	FIXUR 1	
80409	IODINE SOLUTION 10 x 10 ml	
80410	XLT 4 SUPPLEMENT 4 x 50 ml	
80422	POTASSIUM TELLURITE 1% Supplement 10 x 10 ml	
80430	TTC 1% supplement 10 x 10 ml	
80431	TYVEEN 80 Supplement 4 x 50 ml	
80453	VITAMIN K 1% SUPPLEMENT 10 x 5 ml	
81001	AMPICILLIN supplement 10 vials	
81002	LEGIONELLA (BMPA) supplement 10 vials	
81003	BRUCELLA supplement 10 vials	
81004	CAMPYLOBACTER Presion supplement 10 vials	
81006	CN (Pseudomonas) supplement 10 vials	
81007	CLOSTRIDIUM difficile supplement 10 vials	
81008	LEGIONELLA (GVPC) supplement 10 vials	
81009	IODINE solution 5 x 10 ml	
81011	CLOSTRIDIUM perfringens (T.S.C.) sup. 10 v.	
81012	LCAT supplement 10 vials	
81013	BORDETTELLA supplement 10 vials	
81014	HAEMOPHILUS supplement 10 vials	
81015	CAMPYLOBACTER Butzer supplement 10 vials	
81016	SAGILLUS Omeus Supplement 10 vials	
81017	CHLORAMPHENICOL supplement 10 vials	
81019	LEGIONELLA (IMWY) supplement 10 vials	
81020	MMG Supplement 10 vials	
81022	V.C.N. supplement 10 vials	
81023	VITALEX growth supplement 10 vials	
81024	V.C.N.T. supplement 10 vials	
81025	DEFINATOPHYTE supplement 10 vials	
81026	LISTERIA PALCAM supplement 10 vials	
81032	ONPG 1.5% Supplement 10 vials	
81033	GENTAMYCIN supplement 10 vials	
81035	MIDDLEBROOK 7H 10 supplement 4 x 50 ml	
81036	CAMPYLOBACTER KARVALI supplement 10 vials	
81037	CAMPYLOBACTER OCDA supplement 10 vials	
81038	CAMPYLOBACTER C.T.V.N. Supplement 10 vials	
81039	YERSINIA supplement 10 vials	
81040	GARDNERELLA vaginalis Supplement 10 vials	
81041	V.C.A.T. supplement 10 vials	
81042	LISTERIA FRASER supplement (1125mg) 10 vials	
81048	DNA (Sis/Strap) supplement 10 vials	
81050	CAMPYLOBACTER growth supplement 10 vials	
81051	CAMPYLOBACTER Blaser Wang supp 10 vials	
81054	SCHAEFLER supplement 10 vials	
81055	CAMPYLOBACTER Skirrow suppl 10 vials	
81056	CAMPYLOBACTER growth suppl 10 vials	
81057	VANCOMYCIN Supplement for VRE 10 vials	
81077	CAMPYLOBACTER V.A. Supplement 10 vials	
81078	CHROMATIC TYPING Supplement	
81079	UPPER ARGININE SUPPLEMENT	
81082	CEPRIME TELLURITE Supplement	
81083	MEROPENEM Supplement	
81084	NEOMYCIN Supplement	
81085	CHROMATIC STAIN AUREUS Supplement	
81086	VCC MOD. SELECTIVE Supplement	
81088	CHROMATIC CRE Supplement	
81089	CHROMATIC ESSI - AMC Supplement	
81091	Legionella GIVE Growth Supplement w/o L-Cysteine	

81098	D-Oxidase 4-MUP Supplement	
85501	COPRO KIT (SELENITE BROTH)	
85502	COPRO KIT 2 (SALMONELLA BROTH)	
87001	KOVAC'S Reagent	
87002	VP (NaOH) Reagent	
87003	CATALASE Reagent	
87004	PHENYLALANINE Reagent	
87005	OXIDASE Reagent	
87006	Vaseline Oil	
87007	VF (KOH) Reagent	
87008	Lactophenol Cotton Blue Droppers	
87009	Methyl Red Droppers	
87101	GRAM COLOR KIT	
88003	OXIDASE TEST SWABS 30 Test	
88004	OXIDASE TEST DISCS 30 Discs	
88005	ON P.G. TEST 30 Test	
88006	E COLI TEST 30 Test	
88007	HIPPURATE TEST 30 Test	
88008	AESCULIN BILE TEST 30 Test	
88009	NITRAT TEST 30 Test	
88010	LISTERIA MONO TEST 20 Test	
88011	UREA RAPID TEST 30 Test	
88013	HES RAPID TEST 30 Test	
88014	LYSINE DECARBOXYLASE TEST 30 Test	
88015	ORNITHINE DECARBOXYLASE TEST 30 Test	
88016	ARGININE DECARBOXYLASE TEST 30 Test	
88017	INDOLE TEST 30 Test	
88020	S F RAPID TEST 30 Test	
88021	CAMP TEST-S 30 Test	
88023	CATALASIOXY TEST 30 Test	
88024	UREA / INDOLE TEST 30 Test	
88027	CAMP TEST-R 30 Test	
88028	PEPTIDASE A TEST 30 Test	
88029	Oxidase Test Slid	
88029A	Oxidase Test Slid	
88030	COAGULASE TEST 40 Test	
88031	GRAM TEST STICK 30 Test	
88032	INDOLE TEST STICK 30 Test	
88033	BETALACTAMASE STICKS 30 Test	
88034	PEPTIDASE A STICKS 30 Test	
88035	VP TEST KIT	
88040	C.390 50 Discs	
88041	Brilliant Green 100 µg	
88042	CITRATE TEST	
88043	O128 Disc 150 µg	
88044	O.N.P.G. TEST	
88045	O.N.P.G. TEST	
88046	GALACTOSE TEST 30 Test	
88202	LACTOSE TEST 30 Test	
88203	GLUCOSE TEST 30 Test	
88204	MALTOSE TEST 30 Test	
88205	RAFFINOSE TEST 30 Test	
88206	SUCROSE TEST 30 Test	
88207	ARABITOL TEST 30 Test	
88208	ADONITOL TEST 30 Test	
88209	ARABINOSE TEST 30 Test	
88210	DULCITOL TEST 30 Test	
88211	INOSITOL TEST 30 Test	
88212	INULIN TEST 30 Test	
88213	LEVULOSE TEST 30 Test	

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88214	MANNITOL TEST 30 Test	
88215	MANNOSE TEST 30 Test	
88216	SHALICIN TEST 30 Test	
88217	SAUCIN TEST 30 Test	
88218	SORBITOL TEST 30 Test	
88219	TRHALOSE TEST 30 Test	
88220	XYLOSE TEST 30 Test	
89021	CultControl™ Aspergillus brasiliensis ATCC® 16404™	
89022	CultControl™ Bacillus Cereus ATCC® 11778™	
89023	CultControl™ Bacillus subtilis ATCC® 6633™	
89024	CultControl™ Candida albicans ATCC® 10231™	
89025	CultControl™ Enterococcus faecalis ATCC® 14433™	
89026	CultControl™ Enterococcus faecalis ATCC® 29212™	
89027	CultControl™ Escherichia coli ATCC® 25922™	
89028	CultControl™ Escherichia coli ATCC® 8739™	
89029	CultControl™ Listeria innocua ATCC® 33090™	
89030	CultControl™ Listeria ivanovi ATCC® 19119™	
89031	CultControl™ Listeria monocytogenes ATCC® 19111™	
89032	CultControl™ Proteus mirabilis ATCC® 25393™	
89033	CultControl™ Pseudomonas aeruginosa ATCC® 27853™	
89034	CultControl™ Pseudomonas aeruginosa ATCC® 9027™	
89035	CultControl™ Rhodococcus equi ATCC® 6939™	
89036	CultControl™ Saccharomyces cerevisiae ATCC® 8739™	
89037	CultControl™ Salmonella typhimurium ATCC® 14028™	
89038	CultControl™ Shigella flexneri ATCC® 12022™	
89039	CultControl™ Staphylococcus aureus ATCC® 12228™	
89040	CultControl™ Staphylococcus aureus ATCC® 12228™	
89041	CultControl™ Staphylococcus aureus ATCC® 25923™	
89042	CultControl™ Staphylococcus aureus ATCC® 3362™	
89043	CultControl™ Staphylococcus aureus ATCC® 4330™	
89044	CultControl™ Staphylococcus aureus ATCC® 5338™	
89045	CultControl™ Staphylococcus epidermidis ATCC® 12228™	
89046	CultControl™ Streptococcus agalactiae ATCC® 13813™	
89047	CultControl™ Streptococcus pneumoniae ATCC® 4947™	
89048	CultControl™ Streptococcus pyogenes ATCC® 19615™	
89049	CultControl™ Proteus mirabilis ATCC® 12453™	
89050	CultControl™ Yersinia enterocolitica ATCC® 9610™	
89051	CultControl™ Listeria monocytogenes ATCC® 19115™	
89052	CultControl™ Legionella pneumophila ATCC® 33152™	
89053	CultControl™ Clostridium perfringens ATCC® 13124™	
89054	CultControl™ Salmonella enterica subsp. enterica ATCC® 14028™	
89055	CultControl™ Bacillus subtilis ATCC® 6633™	
89056	CultControl™ Vibrio parahaemolyticus ATCC® 17802™	
89057	CultControl™ Aspergillus fumigatus ATCC® 26430™	
89058	CultControl™ Shigella sonnei ATCC® 25931™	
89059	CultControl™ Clostridium sporadicum ATCC® 9714™	
89060	CultControl™ Listeria monocytogenes ATCC® 7544™	
89061	CultControl™ Streptococcus bovis ATCC® 33317™	
89062	CultControl™ Streptococcus mutans ATCC® 25175™	
89063	CultControl™ Streptococcus pneumoniae ATCC® 27335™	
89064	CultControl™ Streptococcus sanguinis ATCC® 10558™	
89065	CultControl™ Enterobacter cloacae subsp. cloacae ATCC® BAA-143™	
89066	CultControl™ Enterococcus faecalis ATCC® 45532™	
89067	CultControl™ Enterococcus faecalis ATCC® 49533™	
89068	CultControl™ Escherichia coli ATCC® 11554™	
89069	CultControl™ Klebsiella pneumoniae ATCC® BAA-2148™	

89070	CultControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC® 700603™	
89071	CultControl™ Candida parapsilosis ATCC® 22019™	
89072	CultControl™ Candida albicans ATCC® 90028™	
89073	CultControl™ Issiherkia orientalis ATCC® 4258™	
89074	CultControl™ Neisseria gonorrhoeae ATCC® 19424™	
89075	CultControl™ Neisseria gonorrhoeae ATCC® 31426™	
89076	CultControl™ Haemophilus influenzae ATCC® 49766™	
89077	CultControl™ Haemophilus influenzae ATCC® 49247™	
89078	CultControl™ Bacillus thuringiensis ATCC® 25435™	
89079	CultControl™ Bacillus thuringiensis ATCC® 25435™	
89080	CultControl™ Lactobacillus acidophilus ATCC® 4355™	
89081	CultControl™ Lactobacillus leichmanni ATCC® 4797™	
89082	CultControl™ Lactococcus lactis ATCC® 19435™	
89083	CultControl™ Proteus mirabilis ATCC® 25393™	
89084	CultControl™ Salmonella enterica subsp. enterica serovar Enteritidis ATCC® 13076™	
89085	CultControl™ Listeria monocytogenes ATCC® 13632™	
89086	CultControl™ Campylobacter jejuni ATCC® 33291™	
89087	CultControl™ Klebsiella pneumoniae ATCC® BAA-1705™	
89088	CultControl™ Klebsiella pneumoniae ATCC® BAA-1705™	
89089	CultControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC® 13663™	
89090	CultControl™ Clostridium difficile ATCC® 9689™	
89091	CultControl™ Aggregatibacter aphrophilus ATCC® 7901™	
89092	CultControl™ Staphylococcus aureus subsp. aureus ATCC® 700688™	
89093	CultControl™ Staphylococcus aureus subsp. aureus ATCC® 700689™	
89094	CultControl™ Pseudomonas shigallides ATCC® 14028™	
89095	CultControl™ Clostridium sporogenes ATCC® 19404™	
89096	CultControl™ Micrococcus luteus ATCC® 10240™	
89097	CultControl™ Candida tropicalis ATCC® 7520™	
89098	CultControl™ Candida krusei ATCC® 4243™	
89099	CultControl™ Gardnerella vaginalis ATCC® 14018™	
89100	CultControl™ Lactobacillus fermentum ATCC® 8338™	
89101	CultControl™ Listeria grayi ATCC® 25401™	
89102	CultControl™ Micrococcus luteus ATCC® 4698™	
89103	CultControl™ Moraxella (Branhamella) carotomatis ATCC® 25228™	
89104	CultControl™ Neisseria gonorrhoeae ATCC® 49228™	
89105	CultControl™ Proteus mirabilis ATCC® 35569™	
89106	CultControl™ Proteus mirabilis ATCC® 43071™	
89107	CultControl™ Proteus vulgaris ATCC® 6330™	
89108	CultControl™ Pseudomonas aeruginosa ATCC® 10145™	
89109	CultControl™ Pseudomonas aeruginosa ATCC® 15442™	
89110	CultControl™ Pseudomonas fluorescens ATCC® 13225™	
89111	CultControl™ Bacillus subtilis ATCC® 6633™	
89112	CultControl™ Clostridium histolyticum ATCC® 19401™	
89113	CultControl™ Bacillus subtilis ATCC® 23745™	
89114	CultControl™ Acinetobacter baumannii ATCC® 17929™	
89115	CultControl™ Enterococcus faecalis ATCC® 32185™	
89116	CultControl™ Staphylococcus aureus subsp. aureus ATCC® 33591™	
89117	CultControl™ Enterococcus faecium ATCC® 51559™	
89118	CultControl™ Fusobacterium nucleatum ATCC® 25266™	
89119	CultControl™ Aeromonas hydrophila ATCC® 7996™	
89120	CultControl™ Haemophilus influenzae ATCC® 10211™	
89121	CultControl™ Serratia marcescens ATCC® 8100™	
89122	CultControl™ Neisseria gonorrhoeae ATCC® 49581™	

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89123	CultControl™ Haemophilus haemolyticus ATCC ®	89180	CultControl™ Shigella sonnei ATCC ® 3290™
89124	CultControl™ Haemophilus influenzae ATCC ® 33333™	89181	CultControl™ Staphylococcus aureus subsp. aureus ATCC ® 49476™
89125	CultControl™ Providencia stuartii ATCC ® 33672™	89182	CultControl™ Staphylococcus aureus subsp. aureus ATCC ® 9144™
89126	CultControl™ Staphylococcus haemolyticus ATCC ® 23970™	89183	CultControl™ Candida albicans ATCC ® 14053™
89127	CultControl™ Streptococcus anginosus ATCC ® 33397™	89184	CultControl™ Escherichia coli ATCC ® 11303™
89128	CultControl™ Streptococcus dysgalactiae subsp. dysgalactiae ATCC ® 12268™	89186	CultControl™ Staphylococcus gallinarum subsp. thermophilus ATCC ® 18258™
89129	CultControl™ Streptococcus mitis ATCC ® 6249™	89188	CultControl™ Neisseria brasiliensis ATCC ® 19256™
89130	CultControl™ Streptococcus pyogenes ATCC ® 43369™	89189	CultControl™ Serratia marcescens ATCC ® 14726™
89131	CultControl™ Streptococcus salivarius ATCC® 13419™	89192	CultControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 4352™
89132	CultControl™ Salmonella enterica subsp. enterica serovar Abony NGTC 6017	89193	CultControl™ Bacillus thuringiensis ATCC ® BAA-1296™
89133	CultControl™ Staphylococcus xylosum ATCC ® 29971™	89194	CultControl™ Stenotrophomonas maltophilia ATCC ® 17656™
89134	CultControl™ Prevotella melanogigica ATCC ® 25845™	89195	CultControl™ Enterococcus casseliflavus ATCC ® 70337™
89135	CultControl™ Propionibacterium acnes ATCC® 11827™	89196	CultControl™ Eikenella corrodens ATCC ® BAA-1152™
89136	CultControl™ Haemophilus influenzae NGTC 4648	89197	CultControl™ Salmonella enterica subsp. enterica serovar Typhimurium ATCC ® 49415™
89137	CultControl™ Staphylococcus aureus subsp. aureus ATCC ® 19095™	89198	CultControl™ Shigella flexneri ATCC ® 9199™
89138	CultControl™ Cronobacter sakazaki ATCC ® 92544™	89199	CultControl™ Klebsiella pneumoniae subsp. pneumoniae ATCC ® 31488™
89139	CultControl™ Bordetella bronchiseptica ATCC ® 4617™	89200	CultControl™ Enterobacter cloacae ATCC ® 49141™
89140	CultControl™ Trichophyton mentagrophytes ATCC ® 9533™	9001	NALIDIXIC ACID NA 30 µg 250 Discs
89141	CultControl™ Acinetobacter baumannii ATCC ® BAA-174™	9001/1	NALIDIXIC ACID NA 30 µg 50 Discs
89144	CultControl™ Vibrio alginolyticus ATCC ® 17749™	9002	Gentamicin CA 2 µg 250 Discs
89145	CultControl™ Campylobacter jejuni subsp. jejuni ATCC ® 33560™	9002/1	Oxolinic acid OA 2 µg 50 Discs
89146	CultControl™ Citrobacter freundii ATCC ® 43664™	9003	PIPEMICIDIC ACID P1 20 µg 250 Discs
89147	CultControl™ Burkholderia cepacia ATCC ® 25416™	9003/1	PIPEMICIDIC ACID P1 20 µg 50 Discs
89148	CultControl™ Listeria monocytogenes ATCC ® 35152™	9004	AMIKACIN AK 30 µg 250 Discs
89149	CultControl™ Stenotrophomonas maltophilia ATCC® 13637™	9004/1	AMIKACIN AK 30 µg 50 Discs
89151	CultControl™ Legionella pneumophila subsp. Inseni ATCC ® 33156™	9005	AMOXICILLIN AML 30 µg 250 Discs
89152	CultControl™ Enterococcus faecium ATCC ® 6057™	9005/1	AMOXICILLIN AML 30 µg 50 Discs
89153	CultControl™ Staphylococcus saprophyticus ATCC ® 15051™	9006	AMPICILLIN AMP 10 µg 250 Discs
89154	CultControl™ Salmonella enterica subsp. arizonae ATCC ® 13314™	9006/1	AMPICILLIN AMP 10 µg 50 Discs
89155	CultControl™ Bacillus cereus ATCC ® 10876™	9007	AZLOCLIN AZL 75 µg 250 Discs
89156	CultControl™ Enterobacter aerogenes ATCC ® 13048™	9007/1	AZLOCLIN AZL 75 µg 50 Discs
89158	CultControl™ Cronobacter mycogenus ATCC ® 51329™	9008	AZTREONAM AZM 30 µg 250 Discs
89159	CultControl™ Citrobacter freundii ATCC ® 8090™	9008/1	AZTREONAM AZM 30 µg 50 Discs
89160	CultControl™ Haemophilus influenzae ATCC ® 19418™	9009	CARBENICILLIN CAR 100 µg 250 Discs
89162	CultControl™ Porphyromonas gingivalis ATCC ® 33277™	9009/1	CARBENICILLIN CAR 100 µg 50 Discs
89163	CultControl™ Escherichia coli ATCC® 35218™	9010	CEFAZOLIN CEC 30 µg 250 Discs
89164	CultControl™ Neisseria meningitidis ATCC ® 13090™	9010/1	CEFAZOLIN CEC 30 µg 50 Discs
89165	CultControl™ Peptostreptococcus anaerobius ATCC ® 27337™	9011	CEPHALEXIN CL 30 µg 250 Discs
89166	CultControl™ Burkholderia cepacia ATCC ® 15408™	9011/1	CEPHALEXIN CL 30 µg 50 Discs
89167	CultControl™ Campylobacter jejuni subsp. jejuni ATCC ® 29428™	9013	CEPHALOTHIN KF 30 µg 250 Discs
89168	CultControl™ Yersinia enterocolitica subsp. enterocolitica ATCC ® 23715™	9013/1	CEPHALOTHIN KF 30 µg 50 Discs
89170	CultControl™ Staphylococcus aureus subsp. aureus ATCC ® 25922™	9014	CEFAZOLIN KZ 30 µg 250 Discs
89171	CultControl™ Enterococcus faecium ATCC ® 19434™	9014/1	CEFAZOLIN KZ 30 µg 50 Discs
89172	CultControl™ Enterococcus faecium ATCC ® BAA-2319™	9015	CEFAZOLIN KZ 30 µg 250 Discs
89173	CultControl™ Enterococcus faecalis ATCC ® 51299™	9015/1	CEFAZOLIN KZ 30 µg 50 Discs
89174	CultControl™ Acinetobacter baumannii ATCC ® 19506™	9016	CEFOPERAZONE CFP 30 µg 250 Discs
89175	CultControl™ Stenotrophomonas maltophilia ATCC ® 13637™	9017	CEFOPERAZONE CFP 30 µg 50 Discs
89176	CultControl™ Haemophilus influenzae ATCC ® 43381™	9017/1	CEFOPERAZONE CFP 30 µg 250 Discs
89177	CultControl™ Candida albicans ATCC ® 18804™	9018	CEFOXITIN FOX 30 µg 250 Discs
89178	CultControl™ Candida albicans ATCC ® 56124™	9018/1	CEFOXITIN FOX 30 µg 50 Discs
89179	CultControl™ Shigella boydii ATCC ® 9207™	9019	CEFTAZIDIME CAZ 30 µg 250 Discs
89180	CultControl™ Shigella boydii ATCC ® 9207™	9019/1	CEFTAZIDIME CAZ 30 µg 50 Discs
89181	CultControl™ Shigella boydii ATCC ® 9207™	9020	CEFTIAZOLONE CRO 30 µg 250 Discs
89182	CultControl™ Shigella boydii ATCC ® 9207™	9020/1	CEFTIAZOLONE CRO 30 µg 50 Discs
89183	CultControl™ Shigella boydii ATCC ® 9207™	9021	CEFTURAXIME CTX 30 µg 250 Discs
89184	CultControl™ Shigella boydii ATCC ® 9207™	9021/1	CEFTURAXIME CTX 30 µg 50 Discs

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

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9087/1	CEFTOTAN OTT 30 µg	50 Discs
9082	TYLOSIN TY 30 µg	250 Discs
9082/1	TYLOSIN TY 30 µg	50 Discs
9083	TRIMETHOPRIM TM 2.5 µg	250 Discs
9083/1	TRIMETHOPRIM TM 2.5 µg	50 Discs
9084	SULFAMETHOXAZOLE SMX 50 µg	250 Discs
9084/1	SULFAMETHOXAZOLE SMX 50 µg	50 Discs
9085	Imipenem + Phenylboronic acid IMI + BO	250 Discs
9085/1	Imipenem + Phenylboronic acid IMI + BO	50 Discs
9086	Imipenem + Cloxacillin IMI + CL	250 Discs
9086/1	Imipenem + Cloxacillin IMI + CL	50 Discs
9087	EDTA ED 250 Discs	
9087/1	EDTA ED 250 Discs	
9088	SPIRAMYCIN SP 100 µg	250 Discs
9088/1	SPIRAMYCIN SP 100 µg	50 Discs
9089	CEFIXIME CFM 5 µg	250 Discs
9089/1	CEFIXIME CFM 5 µg	50 Discs
9090	Daptomycin DAP 30 µg	250 Discs
9090/1	Daptomycin DAP 30 µg	50 Discs
9091	PEFLOXACIN PEF 5 µg	250 Discs
9091/1	PEFLOXACIN PEF 5 µg	50 Discs
9093	DICLOXACILLIN DCX 1 µg	250 Discs
9093/1	DICLOXACILLIN DCX 1 µg	50 Discs
9094	TIAMULIN T 30 µg	250 Discs
9094/1	TIAMULIN T 30 µg	50 Discs
9095	IMPENEMICLASTATIN IMC 20 µg	250 Discs
9095/1	IMPENEMICLASTATIN IMC 20 µg	50 Discs
9096	TICARICILLIN-CLAVULANIC ACID TTC 85 µg	250 Discs
9096/1	TICARICILLIN-CLAVULANIC ACID TTC 85 µg	50 Discs
9097	CLARITHROMYCLIN CLR 15 µg	250 Discs
9097/1	CLARITHROMYCLIN CLR 15 µg	50 Discs
9098	CLARITHROMYCLIN CLR 15 µg	250 Discs
9098/1	CLARITHROMYCLIN CLR 15 µg	50 Discs
9099	FURAZOLIDON FR 50 µg	250 Discs
9099/1	FURAZOLIDON FR 50 µg	50 Discs
9100	PIPERACILLIN-TAZOBACTAM T2P 110 µg	250 Discs
9100/1	PIPERACILLIN-TAZOBACTAM T2P 110 µg	50 Discs
9101	CEFTIBUTEN CTB 30 µg	250 Discs
9101/1	CEFTIBUTEN CTB 30 µg	50 Discs
9102	LEVOFLOXACIN LEV 5 µg	250 Discs
9102/1	LEVOFLOXACIN LEV 5 µg	50 Discs
9103	MOXIFLOXACIN MOX 5 µg	250 Discs
9103/1	MOXIFLOXACIN MOX 5 µg	50 Discs
9104	CEFEPIME FEP 30 µg	250 Discs
9104/1	CEFEPIME FEP 30 µg	50 Discs
9105	AZITHROMYCLIN AZM 15 µg	250 Discs
9105/1	AZITHROMYCLIN AZM 15 µg	50 Discs
9106	MYCOCYCIN MK 15 µg	250 Discs
9106/1	MYCOCYCIN MK 15 µg	50 Discs
9107	TRACONAZOLE TTC 8 µg	250 Discs
9107/1	TRACONAZOLE TTC 8 µg	50 Discs
9108	CEFEPIZONE CFP 75 µg	250 Discs
9108/1	CEFEPIZONE CFP 75 µg	50 Discs
9109	FOSFOMYCIN includes G-6-p FOS 100 µg	250 Discs
9109/1	FOSFOMYCIN includes G-6-p FOS 100 µg	50 Discs
9110	TRIMETHOPRIM TM 5 µg	250 Discs
9110/1	TRIMETHOPRIM TM 5 µg	50 Discs
9111	FUSIDIC ACID FC 20 µg	250 Discs
9111/1	FUSIDIC ACID FC 20 µg	50 Discs

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9147/1	TIGECYCLIN TGC 15 µg	50 Discs
9148	FLUCYTOSINE AFY 10 µg	250 Discs
9148/1	FLUCYTOSINE AFY 10 µg	50 Discs
9150	SULFADIAZINE SUZ 300 µg	250 Discs
9150/1	SULFADIAZINE SUZ 300 µg	50 Discs
9151	AMOXICILLIN AML 2 µg	250 Discs
9151/1	AMOXICILLIN AML 2 µg	50 Discs
9152	CEFOTAXIME CTX 5 µg	250 Discs
9152/1	CEFOTAXIME CTX 5 µg	50 Discs
9153	CEFTAZIDIME CAZ 10 µg	250 Discs
9153/1	CEFTAZIDIME CAZ 10 µg	50 Discs
9154	DORIPENEM DOR 10 µg	250 Discs
9154/1	DORIPENEM DOR 10 µg	50 Discs
9155	LINEZOLID LINZ 10 µg	250 Discs
9155/1	LINEZOLID LINZ 10 µg	50 Discs
9156	MECILINAM MEC 10 µg	250 Discs
9156/1	MECILINAM MEC 10 µg	50 Discs
9157	MUPROICIN MUP 200 µg	250 Discs
9157/1	MUPROICIN MUP 200 µg	50 Discs
9158	NITROFURANTOIN F 100 µg	250 Discs
9158/1	NITROFURANTOIN F 100 µg	50 Discs
9159	PIPERACILLIN PRL 30 µg	250 Discs
9159/1	PIPERACILLIN PRL 30 µg	50 Discs
9160	PIPERACILLIN-TAZOBACTAM T2P 36 µg	250 Discs
9160/1	PIPERACILLIN-TAZOBACTAM T2P 36 µg	50 Discs
9161	QUINUPRISTIN-DALFOPRISTIN QDA 15 µg	250 Discs
9161/1	QUINUPRISTIN-DALFOPRISTIN QDA 15 µg	50 Discs
9162	STREPTOMYCIN S 300 µg	250 Discs
9162/1	STREPTOMYCIN S 300 µg	50 Discs
9163	TOBRAMYCLIN TOB 30 µg	250 Discs
9163/1	TOBRAMYCLIN TOB 30 µg	50 Discs
9164	VANCOMYCIN VA 5 µg	250 Discs
9164/1	VANCOMYCIN VA 5 µg	50 Discs
9165	CASPOFUNGIN CAS 5 µg	250 Discs
9165/1	CASPOFUNGIN CAS 5 µg	50 Discs
9166	FLUCONAZOLE FLU 25 µg	250 Discs
9166/1	FLUCONAZOLE FLU 25 µg	50 Discs
9167	POSACONAZOLE POS 5 µg	250 Discs
9167/1	POSACONAZOLE POS 5 µg	50 Discs
9168	VORICONAZOLE VO 1 µg	250 Discs
9168/1	VORICONAZOLE VO 1 µg	50 Discs
9169	GATIFLOXACIN GAT 5 µg	250 Discs
9169/1	GATIFLOXACIN GAT 5 µg	50 Discs
9170	NETILMICIN NET 10 µg	250 Discs
9170/1	NETILMICIN NET 10 µg	50 Discs
9171	PHENOXYMETHYL-PENICILLIN PV 10 µg	250 Discs
9171/1	PHENOXYMETHYL-PENICILLIN PV 10 µg	50 Discs
9172	TELITHROMYCLIN TEL 15 µg	250 Discs
9172/1	TELITHROMYCLIN TEL 15 µg	50 Discs
9173	LORACARBEEF LOR 30 µg	250 Discs
9173/1	LORACARBEEF LOR 30 µg	50 Discs
9174	NAFOLLIN NAF 1 µg	250 Discs
9174/1	NAFOLLIN NAF 1 µg	50 Discs
9175	MEROPENEM-CLOXACILLIN MR+CL	250 Discs
9175/1	MEROPENEM-CLOXACILLIN MR+CL	50 Discs
9176	Meropenem + Phenylboronic acid MR + BO	250 Discs
9176/1	Meropenem + Phenylboronic acid MR + BO	50 Discs
9177	MEROPENEM-DIPICOLINIC ACID MR-DP	250 Discs
9177/1	MEROPENEM-DIPICOLINIC ACID MR-DP	50 Discs
9178	Meropenem + EDTA MR + ED	250 Discs

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920467	Cefidroxime-hydrochloride CTT 40 µg	92018	Amikacin AK 0.016-256 mg/L 30 MIC Test
9247	Sulfithromycin SOL 15 µg 250 Discs	920180	Amikacin AK 0.016-256 mg/L 100 MIC Test
9247/1	Sulfithromycin SOL 15 µg 50 Discs	920181	Amikacin AK 0.016-256 mg/L 10 MIC Test
9248	Rifampicin 2 µg	92019	Bacitracin BA 0.016-256 mg/L 30 MIC Test
9248/1	Rifampicin 2 µg	920190	Bacitracin BA 0.016-256 mg/L 100 MIC Test
DISC DISPENSER & CARTRIDGES		920191	Bacitracin BA 0.016-256 mg/L 10 MIC Test
91200	DISC DISPENSER & CARTRIDGES	92020	Ceforan CTT 0.016-256 mg/L 30 MIC Test
91203	AMOX/SULB 2T AXS 0.016-256 ^{mgl} 30 MIC Test	920200	Ceforan CTT 0.016-256 mg/L 100 MIC Test
920000	AMOX/SULB 2T AXS 0.016-256 ^{mgl} 30 MIC Test	920201	Ceforan CTT 0.016-256 mg/L 10 MIC Test
92001	Rifampicin RD 0.002-32 mg/L 100 MIC Test	92021	Anoxicilin ANL 0.016-256 mg/L 30 MIC Test
920010	Rifampicin RD 0.002-32 mg/L 10 MIC Test	920210	Anoxicilin ANL 0.016-256 mg/L 30 MIC Test
920011	Rifampicin RD 0.002-32 mg/L 10 MIC Test	920211	Anoxicilin ANL 0.016-256 mg/L 10 MIC Test
92002	Fusidic Acid FU 0.016-256 mg/L 30 MIC Test	92022	Nitrofurantoin F 0.032-512 mg/L 30 MIC Test
920020	Fusidic Acid FU 0.016-256 mg/L 100 MIC Test	920220	Nitrofurantoin F 0.032-512 mg/L 100 MIC Test
920021	Fusidic Acid FU 0.016-256 mg/L 10 MIC Test	920221	Nitrofurantoin F 0.032-512 mg/L 10 MIC Test
92003	Ampicillin AMP 0.016-256 mg/L 30 MIC Test	92023	Cefoperazone - sulactamid (2/1) CPS 0.016-256 ^{mgl} 30 MIC Test
920030	Ampicillin AMP 0.016-256 mg/L 30 MIC Test	920230	Cefoperazone - sulactamid (2/1) CPS 0.016-256 ^{mgl} 100 MIC Test
920031	Ampicillin AMP 0.016-256 mg/L 10 MIC Test	920231	Cefoperazone - sulactamid (2/1) CPS 0.016-256 ^{mgl} 10 MIC Test
92004	Polymyxin B PB 0.064-1024 mg/L 30 MIC Test	92024	Anoxicilin - clavulanic acid (2/1) AUG 0.016-256 ^{mgl} 30 MIC Test
920040	Polymyxin B PB 0.064-1024 mg/L 100 MIC Test	920241	Anoxicilin - clavulanic acid (2/1) AUG 0.016-256 ^{mgl} 10 MIC Test
920041	Polymyxin B PB 0.064-1024 mg/L 10 MIC Test	92025	Riftampicin RD 0.016-256 mg/L 30 MIC Test
92005	Cephradexime PX 0.016-256 mg/L 30 MIC Test	920250	Riftampicin RD 0.016-256 mg/L 100 MIC Test
920050	Cephradexime PX 0.016-256 mg/L 100 MIC Test	920251	Riftampicin RD 0.016-256 mg/L 10 MIC Test
92006	Cefotaxime CTX 0.002-32 mg/L 30 MIC Test	92026	Quinisipristin-dalfopristin QDA 0.002-32 mg/L 30 MIC Test
920060	Cefotaxime CTX 0.002-32 mg/L 100 MIC Test	920260	Quinisipristin-dalfopristin QDA 0.002-32 mg/L 100 MIC Test
920061	Cefotaxime CTX 0.016-256 mg/L 100 MIC Test	920261	Quinisipristin-dalfopristin QDA 0.002-32 mg/L 10 MIC Test
92007	Cefotaxime CTX 0.002-32 mg/L 30 MIC Test	92027	Ampicillin - sulactamid (2/1) AMS 0.016-256 ^{mgl} 30 MIC Test
920070	Cefotaxime CTX 0.002-32 mg/L 100 MIC Test	920270	Ampicillin - sulactamid (2/1) AMS 0.016-256 ^{mgl} 100 MIC Test
92008	Cefprozime CRP 0.016-256 mg/L 30 MIC Test	920271	Ampicillin - sulactamid (2/1) AMS 0.016-256 ^{mgl} 10 MIC Test
920080	Cefprozime CRP 0.016-256 mg/L 100 MIC Test	92028	Sulfabacterium SUL 0.016-256 mg/L 30 MIC Test
920081	Cefprozime CRP 0.016-256 mg/L 100 MIC Test	920280	Sulfabacterium SUL 0.016-256 mg/L 100 MIC Test
92009	Gentamicin CN 0.016-256 mg/L 30 MIC Test	920281	Sulfabacterium SUL 0.016-256 mg/L 10 MIC Test
920090	Gentamicin CN 0.016-256 mg/L 100 MIC Test	92029	Tetracycline TMO 0.064-1024 mg/L 30 MIC Test
920091	Gentamicin CN 0.016-256 mg/L 100 MIC Test	920290	Tetracycline TMO 0.064-1024 mg/L 100 MIC Test
92010	Gentamicin CN 0.064-1024 mg/L 30 MIC Test	920291	Tetracycline TMO 0.064-1024 mg/L 10 MIC Test
920100	Gentamicin CN 0.064-1024 mg/L 100 MIC Test	92030	---
920101	Gentamicin CN 0.064-1024 mg/L 100 MIC Test	920300	Azithromycin AZM 0.016-256 mg/L 30 MIC Test
92011	Gatifloxacin GAT 0.002-32 mg/L 30 MIC Test	920301	Azithromycin AZM 0.016-256 mg/L 100 MIC Test
920110	Gatifloxacin GAT 0.002-32 mg/L 100 MIC Test	92031	Sulfamethoxazole SMX 0.064-1024 mg/L 30 MIC Test
920111	Gatifloxacin GAT 0.002-32 mg/L 100 MIC Test	920310	Sulfamethoxazole SMX 0.064-1024 mg/L 100 MIC Test
92012	Tecoplanlin TEC 0.016-256 mg/L 30 MIC Test	920311	Sulfamethoxazole SMX 0.064-1024 mg/L 10 MIC Test
920120	Tecoplanlin TEC 0.016-256 mg/L 100 MIC Test	92032	Minoxycycline MN 0.016-256 mg/L 30 MIC Test
920121	Tecoplanlin TEC 0.016-256 mg/L 100 MIC Test	920320	Minoxycycline MN 0.016-256 mg/L 100 MIC Test
92013	Erofloxacin ENR 0.002-32 mg/L 30 MIC Test	920321	Minoxycycline MN 0.016-256 mg/L 10 MIC Test
920130	Erofloxacin ENR 0.002-32 mg/L 100 MIC Test	92033	Aztreonam ATM 0.016-256 mg/L 30 MIC Test
92014	Erofloxacin ENR 0.002-32 mg/L 100 MIC Test	920330	Aztreonam ATM 0.016-256 mg/L 100 MIC Test
92015	Erofloxacin ENR 0.002-32 mg/L 100 MIC Test	920331	Aztreonam ATM 0.016-256 mg/L 10 MIC Test
92016	Clarithromycin CLM 0.016-256 mg/L 30 MIC Test	92034	Kanamycin K 0.016-256 mg/L 30 MIC Test
920160	Clarithromycin CLM 0.016-256 mg/L 100 MIC Test	920340	Kanamycin K 0.016-256 mg/L 100 MIC Test
920161	Clarithromycin CLM 0.016-256 mg/L 10 MIC Test	92035	Gemiloxacin GEM 0.002-32 mg/L 30 MIC Test
92017	Mechillin MEC 0.016-256 mg/L 30 MIC Test	920350	Gemiloxacin GEM 0.002-32 mg/L 100 MIC Test
920170	Mechillin MEC 0.016-256 mg/L 100 MIC Test	920351	Gemiloxacin GEM 0.002-32 mg/L 10 MIC Test
92018	Amikacin AK 0.016-256 mg/L 30 MIC Test	92036	Cefidac CEC 0.016-256 mg/L 100 MIC Test

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920360	Cefadiazol	CEC 0.016-256 mg/L	100 MIC Test
920361	Cefadiazol	CEC 0.016-256 mg/L	100 MIC Test
920362	Trimethoprim	TM 0.002-32 mg/L	30 MIC Test
920370	Trimethoprim	TM 0.002-32 mg/L	100 MIC Test
920371	Trimethoprim	TM 0.002-32 mg/L	100 MIC Test
920378	Mupirocin	MUP 0.064-1024 mg/L	30 MIC Test
920381	Mupirocin	MUP 0.064-1024 mg/L	100 MIC Test
920382	Mupirocin	MUP 0.064-1024 mg/L	100 MIC Test
920383	Cephalexin	KF 0.016-256 mg/L	30 MIC Test
920390	Cephalexin	KF 0.016-256 mg/L	100 MIC Test
920391	Cephalexin	KF 0.016-256 mg/L	100 MIC Test
920400	Doripenem	DOR 0.002-32 mg/L	30 MIC Test
920401	Doripenem	DOR 0.002-32 mg/L	100 MIC Test
920402	Peloxacin	PEF 0.016-256 mg/L	30 MIC Test
920411	Peloxacin	PEF 0.016-256 mg/L	100 MIC Test
920412	Ceftriaxone	CRO 0.016-256 mg/L	30 MIC Test
920420	Ceftriaxone	CRO 0.016-256 mg/L	100 MIC Test
920431	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920432	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920440	Cloxacillin	CX 0.016-256 mg/L	30 MIC Test
920441	Cloxacillin	CX 0.016-256 mg/L	100 MIC Test
920445	Ciprofloxacin	CIP 0.002-32 mg/L	30 MIC Test
920450	Ciprofloxacin	CIP 0.002-32 mg/L	100 MIC Test
920451	Ciprofloxacin	CIP 0.002-32 mg/L	100 MIC Test
920460	Spiramycin	SP 0.002-32 mg/L	30 MIC Test
920461	Spiramycin	SP 0.002-32 mg/L	100 MIC Test
920480	Clarithromycin	CLR 0.016-256 mg/L	30 MIC Test
920481	Clarithromycin	CLR 0.016-256 mg/L	100 MIC Test
920490	Ceftriaxone	CRO 0.016-256 mg/L	100 MIC Test
920491	Ceftriaxone	CRO 0.016-256 mg/L	100 MIC Test
920495	Ceftriaxone	CRO 0.016-256 mg/L	100 MIC Test
920500	Fosmidomycin	FOM 0.016-256 mg/L	30 MIC Test
920501	Fosmidomycin	FOM 0.016-256 mg/L	100 MIC Test
920510	Erythromycin	E 0.016-256 mg/L	30 MIC Test
920511	Erythromycin	E 0.016-256 mg/L	100 MIC Test
920520	Telavancin	TLV 0.002-32 mg/L	100 MIC Test
920521	Telavancin	TLV 0.002-32 mg/L	100 MIC Test
920530	Telavancin	TLV 0.002-32 mg/L	100 MIC Test
920531	Telavancin	TLV 0.002-32 mg/L	100 MIC Test
920540	Inipenem	IMI 0.002-32 mg/L	30 MIC Test
920541	Inipenem	IMI 0.002-32 mg/L	100 MIC Test
920550	Vancomycin	VA 0.016-256 mg/L	30 MIC Test
920551	Vancomycin	VA 0.016-256 mg/L	100 MIC Test
920560	Vancomycin	VA 0.016-256 mg/L	100 MIC Test
920561	Vancomycin	VA 0.016-256 mg/L	100 MIC Test
920570	Vancomycin	VA 0.016-256 mg/L	100 MIC Test
920571	Vancomycin	VA 0.016-256 mg/L	100 MIC Test
920580	Ceftriaxone	CRO 0.002-32 mg/L	30 MIC Test
920581	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920590	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920591	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920600	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920601	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920610	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920611	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920620	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920621	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920630	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920631	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920640	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920641	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920650	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920651	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920660	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920661	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920670	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920671	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920680	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920681	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920690	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920691	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920700	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920701	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920710	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920711	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920720	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920721	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920730	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920731	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920740	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920741	Ceftriaxone	CRO 0.002-32 mg/L	100 MIC Test
920750	Chloramphenicol	C 0.016-256 mg/L	30 MIC Test
920751	Chloramphenicol	C 0.016-256 mg/L	100 MIC Test
920760	Fosfomycin	FOS 0.016-256 mg/L	30 MIC Test
920761	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920770	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920771	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920780	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920781	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920790	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920791	Fosfomycin	FOS 0.016-256 mg/L	100 MIC Test
920800	Delafloxacin	DLX 0.002-32 mg/L	30 MIC Test
920801	Delafloxacin	DLX 0.002-32 mg/L	100 MIC Test
920810	Levofloxacin	LEV 0.002-32 mg/L	30 MIC Test
920811	Levofloxacin	LEV 0.002-32 mg/L	100 MIC Test
920820	Levofloxacin	LEV 0.002-32 mg/L	100 MIC Test
920830	Levofloxacin	LEV 0.002-32 mg/L	100 MIC Test
920840	Mergeneram	MRP 0.002-32 mg/L	30 MIC Test
920841	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920850	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920851	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920860	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920861	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920870	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920871	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920880	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920881	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920890	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920891	Mergeneram	MRP 0.002-32 mg/L	100 MIC Test
920900	Moxifloxacin	MXF 0.002-32 mg/L	30 MIC Test
920901	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920910	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920911	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920920	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920921	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920930	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920931	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920940	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920941	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920950	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920951	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920960	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920961	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920970	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920971	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920980	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920981	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920990	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
920991	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921000	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921001	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921010	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921011	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921020	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921021	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921030	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921031	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921040	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921041	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921050	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921051	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921060	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921061	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921070	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921071	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921080	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921081	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921090	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921091	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921100	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921101	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921110	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921111	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921120	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921121	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921130	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921131	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921140	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921141	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921150	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921151	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921160	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921161	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921170	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921171	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921180	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921181	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921190	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921191	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921200	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921201	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921210	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921211	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921220	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921221	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921230	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921231	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921240	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921241	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921250	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921251	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921260	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921261	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921270	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921271	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921280	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921281	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921290	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921291	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921300	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921301	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921310	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921311	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921320	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921321	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921330	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921331	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921340	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921341	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921350	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921351	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921360	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921361	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921370	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921371	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921380	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921381	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921390	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921391	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921400	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921401	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921410	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921411	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921420	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921421	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921430	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921431	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921440	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921441	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921450	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921451	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921460	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921461	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921470	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921471	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921480	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921481	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921490	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921491	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921500	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921501	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921510	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921511	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921520	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921521	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921530	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921531	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921540	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921541	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test
921550	Moxifloxacin	MXF 0.002-32 mg/L	100 MIC Test

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9554	KGL I (Gram + ve) 1 x 100 Test	96144	CLOSTRIDIUM DIFFICILE LATEX KIT
9555	KGL II (Gram + ve) 1 x 100 Test	96148	SIGELLA ANTISERUM
9556	KGL III 100 Test	96150	E. COLI O157 LATEX KIT
9557	MULTODISC A	96151	SALMONELLA LATEX KIT
9558	MULTODISC B	96153	STREPTOCOCCUS LATEX KIT
9559	MULTODISC C	96154	STREPTOCOCCUS LATEX KIT
9570	MULTODISC D	96155	BENEDICT LATEX TEST
9571	MULTODISC A (100 Pz) (Tender 06/2003)	96316	Clindamycin Difficile GDH Card
9572	MULTODISC C (100 Pz) (Tender 06/2003)	96317	Clindamycin Difficile Town A+B Card
9573	MULTODISC D (100 Pz) (Tender 06/2003)	96318	Giardia Card
9574	URINE RING (Tender 238/2006)	96319	Listeria monocytogenes Card
9575	PSEUDOMONAS RING (Tender 238/2006)	96320	Salmonella Ag Card
9576	GRAM NEGATIVE RING (Tender 238/2006)	96321	O157 E.coli Card
9577	GRAM POSITIVE RING (Tender 238/2006)	96401	ONE STEP AMP DRMG SCREEN 20 CARDS
96001	SALMONELLA TYPHI H 20 ml	96404	ONE STEP COC DRMG SCREEN
96002	SALMONELLA TYPHI O 20 ml	96405	ONE STEP THC DRMG SCREEN
96003	SALMONELLA PARATYPHI AH 20 ml	96406	ONE STEP MAMP DRMG SCREEN 20 CARDS
96004	SALMONELLA PARATYPHI AO 20 ml	96415/20	FECAL OCCULT BLOOD CARD
96005	SALMONELLA PARATYPHI BH 20 ml	96418	STREPTOCOCCUS A CARD 30 CARDS
96006	SALMONELLA PARATYPHI BO 20 ml	96441	Gonorrhea Ag Card
96007	BRUCELLA TOTALE 20 ml	96442	Gardnerella vaginalis Card
96008	BRUCELLA ABORTUS 20 ml	96443	Trichomonas vaginalis Card
96009	SALMONELLA TYPHI TOTALE 20 ml - CE	96444	B.t. Free Kliggall-ambigua Dipstick
96010	SALMONELLA PARATYPHI A TOTALE 20 ml	96455	H.PYLORI CARD 20 CARD
96011	PROTEUS OX2 20 ml	96460	HCG URINE/SERUM CARD 50 CARD
96012	PROTEUS OXK 20 ml	96461	HCG URINE/SERUM CARD 100 CARD
96013	PROTEUS OX19 20 ml	96462	MICROALBUMIN CARD URINE 20 Cards
96015	FEBRILE MULTITEST KIT	96465	APP-ALFA FETO CARD 20 CARDS
96016	STREP-CHECK KIT	96468	TUBERCULOSIS CARD 20 CARDS
96017	STAPH LATEX KIT	96480	4&E TOTAL CARD
96018	SALMONELLA PARATYPHI B TOTALE 20 ml	96485	DEA CARD 20 Cards
96019	SALMONELLA PARATYPHI CH 20 ml	96487	MYOGLOBIN
96020	SALMONELLA PARATYPHI CO 20 ml	96488	TROPONIN
96021	SALMONELLA PARATYPHI C TOTALE 20 ml	96490	FERRITIN CARD
96022	BRUCELLA MELITENSIS 20 ml	96495	SIFILIDE CARD 20 CARDS
96023	BRUCELLA SUI 20 ml	96498	IM MONONUCLEOSIS INFECTION 20 CARDS
96031	SALMONELLA TYPHI H SLIDE 5 ml	96590	URINE STRIP
96032	SALMONELLA TYPHI O SLIDE 5 ml	96889	Glucose 2
96033	SALMONELLA TYPHI TOTALE 5 ml SLIDE	96900	GIOTTO READER
96034	SALMONELLA PARATYPHI AH SLIDE 5 ml	96909	BIOMIC V3
96035	SALMONELLA PARATYPHI AO 5 ml SLIDE	96914	BIOMIC V3 AST
96036	SALMONELLA PARATYPHI A TOTALE 5 ml SLIDE	96915	BIOMIC V3 IO
96037	SALMONELLA PARATYPHI BH 5 ml SLIDE	96916	BIOMIC V3 CC
96038	SALMONELLA PARATYPHI BO 5 ml SLIDE	96919	AST Software
96039	SALMONELLA PARATYPHI CH 5 ml SLIDE	96931	ID Software
96040	SALMONELLA PARATYPHI CO 5 ml SLIDE	96932	CC Software
96041	SALMONELLA PARATYPHI C TOTALE 5 ml SLIDE	96933	Microplastic 96 pozzetti Software
96042	BRUCELLA ABORTUS 5 ml SLIDE	97800	ROTASTICK ONE STEP KIT 20 Test
96043	BRUCELLA ABORTUS 5 ml SLIDE	97801	RSV STICK ONE STEP 20 Test
96044	BRUCELLA ABORTUS 5 ml SLIDE	97802	ROTASTICK COMBI STICK ONE STEP 20 Test
96045	PROTEUS OX2 5 ml SLIDE	97803	H.PYLORI FECAL Ag ONE STEP 20 Test
96046	PROTEUS OX19 5 ml SLIDE	97807	ADENOSTICK ONE STEP ASSAY 20 Test
96048	PROTEUS OXK 5 ml SLIDE	97809	Streptococcus Card
96049	CONTROL NEGATIVE CONTROL 0.5 ml	9998	Blank Discs
96053	POSITIVE CONTROL FOR SALMONELLA 0.5 ml	9999	KPC&MBI disc kit (acc. to EUCAST)
96054	POSITIVE CONTROL FOR PROTEUS 0.5 ml	9999	ESBL disc kit (acc. to EUCAST)
96055	POSITIVE CONTROL FOR BRUCELLA 0.5 ml	9999	ESBL disc kit (acc. to CLSI)
96056	POSITIVE CONTROL FOR BRUCELLA 0.5 ml	9999	ESBL (Chromos. Ind. Ampic. disc kit (acc. to EUCAST))
96057	CAMPYLOBACTER LATEX KIT	9999	KPC&MBI&OX&A&B disc kit (acc. to EUCAST)
96058	CAMPYLOBACTER LATEX KIT	9999	ESBL-AmpC screen disc kit

PRODOTTI CE DI LIBERA VENDITA / FREE SALE CE PRODUCTS

Rev. 32.1 del 07.06.2017

99009	AmpC disc kit
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Director Technical Director
Dr. Silvio Bracco





ENDO AGAR

Medium for coliforms confirmatory test.

TYPICAL FORMULA (g/l)

Peptone	10.0
Lactose	10.0
Dipotassium Phosphate	3.5
Agar	15.0
Sodium Sulphite	2.5
Basic Fuchsin	0.5
Final pH = 7.5 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 41.5 g of powder in 1 liter of distilled or deionized water. Heat to boiling with frequent and careful overturnings until complete dissolution. Autoclave at 121 °C for 15 minutes. Evenly disperse the precipitate when dispensing. Use immediately.

DESCRIPTION

ENDO AGAR is used for confirming the presence of coliforms organisms.

TECHNIQUE

For the confirmation of presumptive tests with liquid media, subculture tubes showing gas, or acid and gas formation, onto an Endo Agar plate. Incubate at 36 ± 1 °C for 24 hours. Lactose fermenting coliforms (e.g. *E. coli*) give rise to deep red colonies which color the surrounding medium and possess a golden metallic sheen. Non-lactose fermenters form colorless translucent colonies, against the pink to colorless medium.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: medium purple.

Prepared medium

Appearance: opalescent with precipitates.

Color: pink.

Incubation conditions: 36 ± 1 °C for 24 ± 2 hours.

Microorganism	ATCC	Growth
<i>Staphylococcus aureus</i>	25923	markedly to completely inhibited
<i>Escherichia coli</i>	25922	good
<i>Salmonella typhimurium</i>	14028	good

Characteristics

red colonies w / green metallic sheen
colorless to pink colonies

PERFORMANCE AND LIMITATIONS

If the medium is to be used the same day it is rehydrated, it does not need to be autoclaved. Boil to dissolve completely before dispensing into plates.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. The medium should be used the day it is prepared: if it is necessary store in the dark at 2-8 °C for no more than 3 days.

REFERENCES

- Endo, S. (1904). Über ein Verfahren zum Nachweis der Typhusbacillen. Centr. Bakt., Abt 1, Orig. 35:109-110.
- American Public Health Association. (1975). Standard methods for the examination of water and wastewater, 14th ed.

PRESENTATION

Product	REF	
ENDO AGAR (12.0 l)	610020	500 g
ENDO AGAR (2.4 l)	620020	100 g

TABLE OF SYMBOLS

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



LIOFILCHEM s.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY

Phone +390858930745 Fax +390858930330

Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net





SPECIFICHE DI PRODOTTO

DENOMINAZIONE
E.M.B. LEVINE AGAR

PRESENTAZIONE
Terreno disidratato in polvere

CONSERVAZIONE
10-30°C

CONFEZIONAMENTO

Ref.	Contenuto	Confezionamento
610019	500 g	500 g di polvere in contenitore di plastica
620019	100 g	100 g di polvere in contenitore di plastica

pH DEL TERRENO
7,2 ± 0,2

IMPIEGO

E.M.B. LEVINE AGAR è un terreno selettivo per l'isolamento di enterobatteri gram-negativi conforme con le specifiche della Farmacopea degli Stati Uniti (USP).

TECNICA

Far riferimento alla scheda tecnica del prodotto

ASPETTO DEL TERRENO

Terreno disidratato
Aspetto: omogeneo
Colore: rosso chiaro-porpora
Terreno in piastra
Aspetto: opaco
Colore: rosso scuro blu-porpora

VALIDITÀ DALLA DATA DI PRODUZIONE

4 anni

CONTROLLO DI QUALITÀ

1. Controllo caratteristiche generali, alchettatura e stampa

2. Controllo microbiologico

Inoculo per produttività: 10-100 UFC/ml
Inoculo per selettività: 104-105 UFC/ml
Inoculo per specificità: <104 UFC/ml
Condizioni di incubazione: 18-24 ore a 36 ± 1°C

Microorganismo ATCC Crescita Caratteristiche

<i>Escherichia coli</i>	25922	Buona	Colonie verdi con riflessi metallici
<i>Klebsiella pneumoniae</i>	13883	Buona	Colonie rosa
<i>Proteus mirabilis</i>	25933	Buona	Colonie incolore
<i>Pseudomonas aeruginosa</i>	27853	Buona	Colonie incolore
<i>Salmonella typhimurium</i>	14028	Buona	Colonie incolore
<i>Streptococcus faecalis</i>	19433	Inibizione	—

TABELLA DEI SIMBOLI

LOT	Numero di lotto	Per uso diagnostico in vitro	Fabbricante	Data di scadenza	Tenere lontano da fonti di calore
REF	Numero di catalogo	Limiti di temperatura	Contenuto sufficiente per 414 test	Attenzione, consultare le istruzioni per l'uso	

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Via Scova, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0859530745 Fax +39 0859530330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



E.M.B. LEVINE AGAR

Terreno selettivo per l'isolamento di enterobatteri gram-negativi (armonizzato Farmacopea SU)

FORMULA TIPICA

	(g/l)
Peptone	10,0
Lattosio	10,0
Fosfato dipotassico	2,0
Eosina Y	0,4
Blu di Metilene	0,065
Agar	15,0
pH finale 7,2 ± 0,2 a 25°C	

DESCRIZIONE

E.M.B. LEVINE AGAR è un terreno selettivo per l'isolamento di enterobatteri gram-negativi conforme con le specifiche della Farmacopea degli Stati Uniti (USP). E.M.B. LEVINE AGAR è utilizzato per l'analisi sia di campioni clinici che alimentari come i prodotti caseari principalmente per l'individuazione e la conferma dei coliformi.

PRINCIPIO

Il peptone è la fonte di azoto, il lattosio è il carboidrato fermentabile ed il fosfato dipotassico è il tampone. Eosina Y e blu di metilene sono gli indicatori. Questi coloranti permettono anche di differenziare i microorganismi che fermentano il lattosio dai non fermentanti sulla base del loro assorbimento all'interno delle colonie batteriche. Il blu di metilene agisce anche come agente selettivo in grado di inibire parzialmente i batteri gram-positivi.

PREPARAZIONE

Sospendere 37,5 g di polvere in 1 litro di acqua distillata. Scaldare fino a completo scioglimento. Autoclavare a 121°C per 15 minuti. Raffreddare a 45-50°C. Mescolare accuratamente. Distribuire in piastre petri.

TECNICA

Utilizzare le procedure appropriate per ottenere colonie isolate dai campioni in esame. Si dovrebbe seminare anche un terreno non selettivo per aumentare la probabilità di recupero quando la popolazione di batteri gram-negativi è bassa e per avere inoltre una indicazione degli altri organismi presenti nel campione. Incubare le piastre, al riparo dalla luce, a 35±2 per 18-24 ore. Se dopo 24 ore non si verifica nessuna crescita, reincubare per altre 24 ore.

INTERPRETAZIONE DEI RISULTATI

I microorganismi che fermentano il lattosio, come i coliformi, mostrano colonie blu-nere, mentre le colonie del lattosio-non fermentanti come *Salmonella* spp. e *Shigella* spp. appaiono incolore, trasparenti o color ambra. Alcuni batteri gram-positivi, come gli streptococchi fecali, stafilococchi e lieviti, crescono su questo terreno formando di solito colonie puniformi. Diversi batteri gram-negativi non patogeni e che non fermentano il lattosio sono in grado di crescere su questo terreno ma possono essere distinti dai ceppi patogeni tramite analisi biochimiche.

CONSERVAZIONE

La polvere è molto igroscopica, conservare a 10-30°C in ambiente asciutto nel suo contenitore originale chiuso ermeticamente. Utilizzare prima della data di scadenza apposta sull'etichetta o finché non sono evidenti segni di deterioramento o contaminazione. Conservare le piastre pronte a 2-8°C al riparo dalla luce.

AVVERTENZE E PRECAUZIONI

Il prodotto non contiene sostanze nocive in concentrazioni superiori ai limiti stabiliti dalla legislazione corrente e perciò non è classificato come pericoloso. Comunicare per un uso corretto del prodotto si raccomanda di consultare la scheda di sicurezza. Il prodotto è progettato esclusivamente per uso diagnostico in vitro e deve essere utilizzato da parte di personale qualificato.

SMALTIMENTO DEI RIFIUTI

Smaltimento dei rifiuti deve essere effettuato secondo le normative nazionali e locali vigenti.

BIBLIOGRAFIA

1. H. H. Hand, Am. J. Infect. Dis. 18:596.
2. Levine, J. J. Infect. Dis. 23:43.
3. Merisalo, J. J. Infect. Dis. 23:43.
4. Downes and Ho, ed. 1970. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.
5. United States Pharmacopoeia Convention, Inc. (2001) The United States Pharmacopoeia 25/The National formulary 20 - 2002. The United States Pharmacopoeial Convention, Rockville, Md.

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Via Scova, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0859530745 Fax +39 0859530330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net





E.M.B. LEVINE AGAR

Selective medium for gram-negative enteric bacteria isolation (harmonized US Pharmacopoeia)

TYPICAL FORMULA	(g/l)
Peptone	10.0
Lactose	10.0
Dipotassium Phosphate	2.0
Eosin Y	0.4
Methylene Blue	0.065
Agar	15.0
Final pH 7.2 ± 0.2 at 25°C	

DESCRIPTION
E.M.B. LEVINE AGAR is a selective medium for gram-negative enteric bacteria isolation conforms with specifications of the United States Pharmacopoeia (USP). E.M.B. LEVINE AGAR is used for testing clinical materials, food and dairy products primary for the detection and confirmation of coliforms.

PRINCIPLE

Peptone is the nitrogen source, lactose is the fermentable carbohydrate and dipotassium phosphate is the buffer. Eosin Y and methylene blue are the indicators. These dyes also play a role in differentiating between lactose fermenters and lactose non fermenters due to the presence or absence of dye uptake in the bacterial colonies. Methylene blue works also as selective agent inhibiting gram-positive bacteria to a limited degree.

PREPARATION

Suspend 37.5 g of powder in 1 liter of distilled water. Heat until completely dissolved. Autoclave at 121°C for 15 minutes. Cool to 45-50°C. Mix thoroughly. Dispense in petri dishes.

TECHNIQUE

Use standard procedures to obtain isolated colonies from specimens. A non selective medium should also be streaked to increase the chance of recovery when the population of gram-negative organisms is low and to provide and indication of other organisms present in the specimen. Inoculate plates, protected from light, at 35±2 for 18-24 hours. If negative after 24 hours, reincubate an additional 24 hours.

INTERPRETATION OF RESULTS

Lactose-fermenting microorganisms, such as coliforms, are visualized as blue-black colonies, whereas lactose non fermenters, such as *Salmonella* spp. and *Shigella* spp. appear colorless, transparent or amber. Some gram-positive bacteria, such as fecal streptococci, staphylococci and yeast, will grow in this medium and usually form pinpoint colonies. A number of non pathogenic lactose non fermenting gram-negative bacteria will grow in this medium and must be distinguished from pathogenic strains by additional biochemical tests.

STORAGE

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

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

REFERENCES

- Holt-Harris and Tongue (1916) J. Infect. Dis. 18:596.
- Levine (1918) J. Infect. Dis. 23:43.
- Maheshwari et al. (1953) Standard methods for the examination of dairy products, 16th ed. American Public Health Association. Washington, D.C.
- Davies and McLeod (2001) Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.
- United States Pharmacopoeial Convention, Inc. (2001) The United States Pharmacopoeia 25/The National formulary 20 – 2002. The United States Pharmacopoeial Convention, Rockville, Md.

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Via Scavia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME
E.M.B. LEVINE AGAR

PRESENTATION
Dehydrated medium

STORAGE
15-35°C

PACKAGE	Ref.	Content	Packaging
	610019	500 g	500 g of powder in plastic bottle
	620019	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM
7.2 ± 0.2

USE
E.M.B. LEVINE AGAR is a selective medium for gram-negative enteric bacteria isolation conforms with specifications of the United States Pharmacopoeia (USP)

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Dehydrated medium
Appearance: homogeneous, free-flowing light red-purple
Colour: light red-purple
Prepared medium
Appearance: slightly hazy
Colour: dark red to blue-purple

SHELF LIFE
4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control
Incubation for productivity: 10⁷-10⁸ CFU/ml
Incubation for selectivity: 10⁷-10⁸ CFU/ml
Incubation for specificity: ≤10⁷ CFU/ml
Incubation conditions: 18-24 h at 36 ± 1°C

Microorganism	ATCC	Growth	Features
<i>Escherichia coli</i>	25922	Good	Green metallic sheen
<i>Klebsiella pneumoniae</i>	13883	Good	Pink
<i>Proteus mirabilis</i>	25933	Good	Colorless
<i>Pseudomonas aeruginosa</i>	27853	Good	Colorless
<i>Salmonella typhimurium</i>	14028	Good	Colorless
<i>Streptococcus faecalis</i>	19433	Inhibition	—

TABLE OF SYMBOLS

LOT	Batch code	IVD	In vitro diagnostic medical device	Manufacturer	Use by	Keep away from heat sources
REF	Catalogue number	Temperature limitation	Contains sufficient for >10 tests	Consult instructions for use		

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Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net





E.M.B. LEVINE AGAR

Medio selectivo para el aislamiento de bacterias gram-negativas entericas (amortizado según la Farmacopea US)

FORMULA	(g/l)
Peptona	10.0
Lactosa	10.0
Dipolasio Fosfato	2.0
Eosina Y	0.4
Azul de Metileno	0.065
Agar	15.0

pH final 7,2 ± 0,2 a 25°C

DESCRIPCIÓN

E.M.B. LEVINE es un medio selectivo para el aislamiento de bacterias gram-negativas entericas que sigue las especificaciones de la Farmacopea de los Estados Unidos (USP). E.M.B. LEVINE AGAR se usa para el análisis clínico, de alimentos y productos frescos antes de la detección y confirmación de coliformes.

PRINCIPIO DEL MÉTODO

La Peptona es la fuente de nitrógeno. La lactosa es el carbohidrato fermentable y el dipolasio fosfato es el tampón. La Eosina Y y el azul de metileno son los indicadores. Estos colorantes sirven para diferenciar entre fermentadores de lactosa y no fermentadores de lactosa, debido a la captación o no del colorante por parte de las colonias bacterianas. El azul de metileno también funciona como inhibidor hasta un determinado punto de las bacterias gram-positivas.

PREPARACIÓN

Suspender 37,5 g de polvo deshidratado en 1 litro de agua destilada. Calentar hasta la completa disolución. Autoclavar a 121°C durante 15 minutos. Enfriar a 45-50°C. Mezclar bien. Dispensar en placas petri.

TÉCNICA

Utilizar métodos estándar para conseguir colonias aisladas de las muestras. Se debería recurrir también a un medio no selectivo para aumentar la probabilidad de recuperación cuando la población de organismos gram-negativos sea baja y para dar una indicación de otros organismos presentes en la muestra. Incubar las placas, lejos de la luz, a 35±2 durante 18-24 horas. Si no hay resultados después de las primeras 24 horas, reincubar durante 24 horas más.

INTERPRETACIÓN DE LOS RESULTADOS

Los microorganismos fermentadores de la lactosa, como los coliformes, se muestran con colonias azul-negro, los no fermentadores de lactosa, como *Salmonella* spp y *Shigella* spp, se muestran incoloros, transparentes o ámbar. Algunas bacterias gram-positivas, como estreptococos fecales, estafilocos y levaduras, crecerán en este medio y formarán colonias definidas. Algunas bacterias no patógenas no fermentadoras de lactosa pueden crecer en este medio y para diferenciarlas de las patógenas deberemos realizar algunas pruebas bioquímicas adicionales.

CONDICIONES DE CONSERVACIÓN

El polvo deshidratado es muy higroscópico, almacenar a 10-30°C, en un entorno seco, en su frasco original correctamente cerrado. Almacénar las placas preparadas a 2-8°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.

ADVERTENCIAS Y PRECAUCIONES

Este producto no contiene sustancias peligrosas en concentraciones que excedan los límites fijados por la legislación actual y no está clasificado como peligroso. Se recomienda de todas formas las lecturas de la hoja de seguridad para el uso apropiado. El producto está pensado para un uso exclusivo profesional y debe ser utilizado sólo por operadores debidamente adiestrados.

DESECHO DE RESIDUOS

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

REFERENCIAS

- Holl-Karns and Torque (1916) J. Infect. Dis. 18:596.
- Marshall ed. (1993) Standard methods for the examination of dairy products, 15th ed. American Public Health Association, Washington, D.C.
- Downes and Ito ed. (2001) Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.
- United States Pharmacopoeial Convention, Inc. (2001) The United States Pharmacopoeia 25/The National formulary 20 – 2002. The United States Pharmacopoeial Convention, Rockville, Md.

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Via Scabia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel. +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



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Via Scabia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel. +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



ESPECIFICACIONES DEL PRODUCTO

NOMBRE
E.M.B. LEVINE AGAR

PRESENTACIÓN
Medio deshidratado

CONSERVACIÓN
10-30°C

CONTENIDO DEL ENVASE

Ref.	Contenido	Confección
610019	500 g	500 g de polvo deshidratado en frasco de plástico
620019	100 g	100 g de polvo deshidratado en frasco de plástico

pH DEL MEDIO
7,2 ± 0,2

USO

E.M.B. LEVINE AGAR es un medio selectivo para el aislamiento de bacterias gram-negativas entericas que sigue las especificaciones de la Farmacopea de los Estados Unidos (USP)

TÉCNICA

Seguir las instrucciones provistas

ASPECTO DEL MEDIO

Medio deshidratado
Aspecto: homogéneo, suelto, rojo-morado claro
Color: rojo-morado claro
Medio preparado
Aspecto: Ligeramente difuminado, rojo – azul morado

SHELF LIFE
4 años

CONTROL DE CALIDAD

- Control de las características generales y etiquetado
- Control microbiológico
Índice de productividad: 10⁵-100 CFU/ml
Índice de selectividad: 10⁵-10⁶ CFU/ml
Índice de especificidad: ≤10⁴ CFU/ml
Condiciones de incubación: 18-24 h a 35 ± 1°C

Microorganismo	ATCC	Crecimiento	Aspecto
<i>Escherichia coli</i>	25922	Buena	Verde metálico brillante
<i>Klebsiella pneumoniae</i>	13883	Buena	Rosa
<i>Proteus mirabilis</i>	25333	Buena	Incoloro
<i>Pseudomonas aeruginosa</i>	27853	Buena	Incoloro
<i>Salmonella typhimurium</i>	14028	Buena	Incoloro
<i>Streptococcus faecalis</i>	19433	Inhibición	—

TABLA DE SÍMBOLOS

LOT	Código de lote	Uso exclusivo diagnóstico <i>In vitro</i>	Fabricante	Utilizar antes de	Mantener alejado de fuentes de calor
REF	Número de catálogo	Límites de temperatura	Contenido suficiente para <n> análisis	Atención, consultar el documento adjunto	



Brilliant Green Agar

Selective medium for isolation of *Salmonellae* from clinical specimens and other materials of sanitary importance.

DESCRIPTION

Brilliant Green Agar is a selective medium used for the isolation *Salmonella* spp. other than *S. Typhi* and *S. Paratyphi* from pathogen materials, stool, urine, environmental samples and food.
Brilliant Green Agar is recommended by APHA, FDA and USP.

TYPICAL FORMULA

	(g/l)
Meat Peptone	5.0
Casein Peptone	5.0
Sodium Chloride	5.0
Yeast Extract	3.0
Lactose	10.0
Sucrose	10.0
Phenol Red	0.08
Brilliant Green	0.0125
Agar	20.0
Final pH 6.9 ± 0.2 at 25°C	

METHOD PRINCIPLE

Peptones provide amino acids, carbon, nitrogen, vitamins and minerals for organisms growth. Sodium chloride maintains the osmotic balance of the medium. Yeast extract is a source of vitamins, particularly of B-group. Lactose and sucrose are the fermentable carbohydrates. Lysine is the decarboxylase substrate. Phenol red is the pH indicator. Brilliant green is the selective agent inhibiting Gram-positive bacteria and most Gram-negative bacteria, other than *Salmonella* spp. Agar is the solidifying agent.

PREPARATION

Dehydrated medium
Suspend 58.1 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

Medium in bottles

Melt the content of the bottle in a water bath at 100°C (loosening 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

Inoculate the plates by directly streaking the sample over the agar surface. Incubate aerobically at 35 ± 2°C for 18-24 hours.

INTERPRETING RESULTS

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

ID Table	Appearance of colonies
<i>Salmonella</i> spp. (excepted <i>S. Typhi</i> and <i>S. Paratyphi</i>)	White to pink, with red zone
<i>Escherichia coli</i> , <i>Enterobacter</i> , <i>Klebsiella</i> spp	Yellow-green
<i>Pseudomonas</i> spp	Pink to red



Dehydrated medium: non-flowing, homogeneous, pink.
Prepared medium: slightly opalescent, orange-brown.

STORAGE

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

SHELF LIFE

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

QUALITY CONTROL

Plates are inoculated with the microbial strains indicated in the QC table.

Inoculum for productivity: 50-100 CFU

Inoculum for selectivity: 10⁵-10⁶ CFU

Incubation conditions: aerobically at 35 ± 2°C for 18-24 hours.

QC Table.

Microorganism	Growth	Specification
<i>Salmonella</i> Typhimurium	ATCC® 14028	Good
<i>Salmonella</i> Enteritidis	ATCC® 13076	Good
<i>Shigella flexneri</i>	ATCC® 12022	Inhibited
<i>Staphylococcus aureus</i>	ATCC® 25923	Inhibited
<i>Escherichia coli</i>	ATCC® 25922	Poor
		Yellow-green colonies

WARNING AND PRECAUTIONS

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

- Kristensen M, V. Lester and A. Jurgens (1925) On the use of trypticized casein, bromthymol blue, bromocresol purple, phenol red and brilliant green for bacteriological nutrient media. Br J Exp Pathol. 6:291.
- Taylor WJ. (1965) Isolation of *Shigellae* L. Xylose lysine agars: new media for isolation of enteric pathogens. Am J Clin Pathol; 44:471-475.
- United States Pharmacopeial Convention (1995) Microbial Limit Test. The United States Pharmacopeia 23rd ed. The United States Pharmacopeial Convention, Rockville MD, USA.
- US Food and Drug Administrations (1998) Bacteriological Analytical Manual 8th ed. AOAC International. Gaithersburg, MD, USA.

PRESENTATION

	Contents	Ref.
Brilliant Green Agar	90 mm ready-to-use plates	20 plates
Brilliant Green Agar	90 mm ready-to-use plates	100 plates
Brilliant Green Agar	Bottles	6 x 100 ml bottles
Brilliant Green Agar	Dehydrated medium	500 g of powder
Brilliant Green Agar	Dehydrated medium	100 g of powder

TABLE OF SYMBOLS

LOT	Batch code	IVD	In vitro Diagnostic Medical Device	Manufacturer	Life By	Fragile, handle with care
REF	Catalogue number	Temperature limitation	Contains sufficient for one test	Consult instruction for use	Do not reuse	

LIOFILCHEM® s.r.l.

CE IVD

Via Scoglio zona ind. 4c, 64026 Roseto degli Abruzzi (Te) Italy
Tel. +39 0858910745 Fax +39 0858910130 www.liofilchem.it

liofilchem@liofilchem.it



S.S. AGAR (MODIFIED)

Selective medium for the isolation of *Salmonella* spp. and *Shigella* spp.

TYPICAL FORMULA	(g/l)
Peptone	5.5
Meat Extract	5.0
Lactose	10.0
Sodium Tiosulfate	8.5
Yeast Extract	5.0
Sodium Citrate	1.0
Bile Salts N.3	1.5
Ferric Ammonium Citrate	0.33 mg
Bright Green	0.025
Neutral Red	14.0
Agar	
Final pH	7.0 ± 0.2

DESCRIPTION

S.S. AGAR (MODIFIED) is a highly selective medium for the isolation of *Salmonella* spp. and some species of *Shigella* from clinical specimens and food.

PRINCIPLE

Gram-positive microorganisms and coliforms are inhibited by selective components: brilliant green, bile salts n.3, sodium tiosulfate and citrate. The differentiations of microorganisms is obtained through the introduction of lactose in the medium. Lactose fermented bacteria cause acidification, thus formation of red colonies for the presence of neutral red. Non-fermented microorganisms form instead colourless colonies. Sodium tiosulfate in combination with iron acts as indicator for sulphur production causing the blackening of the colony center.

PREPARATION

Suspend 52.0 g of the powder in 1 litre of distilled or deionized water. Mix well. Heat to boil shaking frequently until dissolved completely. DO NOT AUTOCLAVE. Cool to 45-50°C. In aseptic conditions dispense in Petri dishes and let solidify the medium with the lids of the plates partially removed.

TECHNIQUE

Inoculate the plate streaking the sample onto the agar surface to isolate pure colonies from samples containing a mixed flora. Incubate at 36±1°C for 18-24 hours.

INTERPRETATION OF RESULTS

Salmonella spp. and other lactose non-fermented microorganisms can produce opaque, translucent or transparent colonies, with or without black center. *Shigella* colonies are colourless. The few lactose fermented microorganisms, that are able to grow on the medium, show reddish mucoid colonies.

STORAGE

10-30°C away from light, until the expiry date on the label. Eliminate if signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

REFERENCES

1. Gray J.D. (1995). *Escherichia*, *Salmonella*, *Shigella* and *Yersinia*, p. 450-456. In *Manual of clinical microbiology*, 6th ed. American society of microbiology.
2. Lefson E. (1985). J. Pathol. Bacteriol. 40: 581.
3. Rose H.M. and M.H. Kohnen (1942). J. Lab. Clin. Med. 27: 1081-1083.



LIOFILCHEM® S.r.l.

Via Scorre, Zona Ind.le - 64026, Russo degli Abruzzi (TE) - ITALY
Tel +39 08595075 Fax +39 085950330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME
S.S. AGAR (MODIFIED)

PRESENTATION
Dehydrated medium

STORAGE
10-30°C

PACKAGING	Content	Packaging
Ref. 610042	500 g	500 g of powder in plastic bottle
620042	100 g	100 g of powder in plastic bottle
6100425	5 kg	5 kg of powder in plastic container

pH OF THE MEDIUM
7.0 ± 0.2

USE
S.S. AGAR (MODIFIED) is a highly selective medium for the isolation of *Salmonella* spp. and some species of *Shigella* from clinical specimens and foods

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Dehydrated medium
Appearance: free-flowing, homogeneous
Colour: light-pink
Rehydrated medium
Appearance: opalescent
Colour: purple

SHELF LIFE
4 years

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Inoculum for selectivity: 10⁴-10⁶ UFC/ml
Inoculum for specificity: ≤10³ UFC/ml
Incubation Conditions: 18-24 h at 35 ± 2°C, in aerobiosis

Microorganism

Shigella flexneri
Salmonella typhimurium
Enterococcus faecalis
Staphylococcus aureus
Escherichia coli

Growth

ATCC® 12022
ATCC® 14028
ATCC® 29212
ATCC® 25923
ATCC® 25922

Features

Colourless colonies
Colourless colonies with or without black center
—
—
Pink or red colonies

TABLE OF SYMBOLS

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



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Via Scorre, Zona Ind.le - 64026, Russo degli Abruzzi (TE) - ITALY
Tel +39 08595075 Fax +39 085950330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net





LAURYL TRYPTOSE BROTH (LAURYL SULPHATE BROTH)

Selective medium for coliforms detection in water and wastewater.

TYPICAL FORMULA	(g/l)
Tryptose	20.0
Lactose	5.0
Sodium Chloride	5.0
Sodium Lauryl Sulphate	0.1
Dipotassium Phosphate	2.75
Monopotassium Phosphate	2.75
Final pH 6.8 ± 0.2 at 25°C	

DESCRIPTION
LAURYL TRYPTOSE BROTH provides a selective medium which is used for the detection of coliform organisms in water and wastewater, according to the formula of the American Public Health Association.

PRINCIPLE

Tryptose provides the nitrogen and vitamins required for organism growth. Lactose is the fermentable carbohydrate. Sodium chloride maintains the osmotic balance of the medium. Sodium lauryl sulphate is the selective agent used to inhibit organism other than coliforms. Potassium phosphates are the buffering agents.

PREPARATION

Suspend 35.6 g of powder in 1 liter of distilled or deionized water. Heat until completely dissolved. Dispense into final containers provided with Durham tubes. Autoclave at 121°C for 15 minutes.

TECHNIQUE

Inoculate 1 ml of the sample (or of its serial tenfold dilutions) into a tube of LAURYL TRYPTOSE BROTH. Invert once the tube to permit the coming out of air from the Durham tube. Incubate for 24-48 hours at 36±1°C.

INTERPRETATION OF RESULTS

Turbidity of the medium and formation of gas is a positive presumptive test for the presence of coliforms. Perform indole test directly in the tubes for confirmation.

STORAGE

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

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

REFERENCES

1. Christen, G.L., P.M. Davidson, J.S. McAllister, and L.A. Roth (1992). Coliforms an other indicator bacteria, p. 247-267.
2. Eaton, A.D., L.S. Clesceri, and A.E. Greenberg (ed.) Standard methods for the examination of water and wastewater, 19th ed.
3. Association of Official Analytical Chemists (1995). Bacteriological analytical manual 8th ed.
4. American Public Health Association (1980). Standard methods for the examination of water and wastewater, 15th ed. APHA.
5. ISO Standard 11865-2 Milk and milk products-Enumeration of presumptive *Escherichia coli*.

LIOFILCHEM® S.r.l.

Via Scoria, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel. +39 085930745 Fax +39 085930330 Website: www.liofilchem.net E-mail: lio@liochem.net



LIOFILCHEM® S.r.l.

Via Scoria, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel. +39 085930745 Fax +39 085930330 Website: www.liofilchem.net E-mail: lio@liochem.net



PRODUCT SPECIFICATIONS

NAME
LAURYL TRYPTOSE BROTH (LAURYL SULPHATE BROTH)

PRESENTATION
Dehydrated medium

STORAGE
10-30°C

PACKAGE	Content	Packaging
Ref.		
610085	500 g	500 g of powder in plastic bottle
620085	100 g	100 g of powder in plastic bottle
6100855	5000 g	5 kg of powder in plastic container

pH OF THE MEDIUM
6.8 ± 0.2

USE
LAURYL TRYPTOSE BROTH provides a selective medium which is used for the detection of coliform organisms in water and wastewater, according to the formula of the American Public Health Association.

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

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

SHELF-LIFE
4 years

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Microbiological control
Incubum for productivity: 10-100 CFU/ml
Incubum for selectivity: 10⁵-10⁷ UFC/ml
Incubum for specificity: ≤ 10⁴ UFC/ml
Incubation conditions: 48 h at 30 ± 1°C

Microorganism	ATCC®	Growth	Gas
<i>Escherichia coli</i>	25922	Good	+
<i>Salmonella typhimurium</i>	14028	Good	-
<i>Staphylococcus aureus</i>	25923	Inhibited	-
<i>Klebsiella pneumoniae</i>	13883	Good	+

TABLE OF SYMBOLS

LOT	Batch code	Keep away from heat sources	Manufacturer	Use by	Fragile, handle with care
REF	Catalogue number	Temperature limitation	Contains sufficient for <n> tests	Consult instructions for use	



Sabouraud Dextrose Agar

Medium for the cultivation and enumeration of yeasts and moulds from different materials, according to EN ISO 11133 and USP/EP/JP.

DESCRIPTION

Sabouraud Dextrose Agar (SDA) is a non selective isolation medium used for the growth and maintenance of pathogenic and non-pathogenic fungi from clinical and nonclinical specimens. It is also used for recovery and total counting of yeasts and moulds in environmental monitoring.

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

Its formula conforms to the recommendations of the harmonized method in the United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) for the microbiological examination of non sterile products.

The medium is also available as gamma-irradiated triple bagged plates, particularly suitable for use in restricted areas like isolators and clean rooms.

TYPICAL FORMULA

	(g/l)
Pancreatic Digest of Casein	5.0
Peptic Digest of Animal Tissue	5.0
Dextrose	40.0
Agar	15.0
Final pH 5.6 ± 0.2 at 25°C	

METHOD PRINCIPLE

Pancreatic digest of casein and peptic digest of animal tissue provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Dextrose is an energy source. Agar is the solidifying agent. The high concentration of dextrose and the acidic pH of the medium permit selectivity of fungi.

The medium can be supplemented with chloramphenicol to increase bacterial inhibition and recovery of dermatophytes.

PREPARATION

Dehydrated medium

Suspend 65 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

Medium in bottles

Melt the content of the bottle in a water bath at 100°C (loosening 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

For use in medical microbiology

Streak the specimen as soon as possible after it is received in the laboratory to obtain isolated colonies.

Prepared tubed slants primarily are intended for use with pure cultures for maintenance or other purposes.

Incubation conditions may vary according to the type of specimen and the microorganisms being tested for.

For use in food, animal feed and water testing

Refer to EN ISO 11133 for specific instructions.

For use in industrial microbiology

Control of non-sterile products

Refer to the procedure described in the harmonized chapters of the Pharmacopoeia.

Passive Air Monitoring

Take the lid off the settle plate and leave the medium exposed to the air for a period of time no longer than 4 hours (setting plates filled with 30 ml of medium may compensate for water loss during extended incubation periods). Plates can be placed according to the 1/1/1 scheme (for 1 h, about 1 above the floor, at least 1 m from the walls or any obstacle).

Surfaces and Personnel Hygiene Monitoring

Take a swab sample for irregular surfaces or use the sampling template 10x10 (ref. 96762) to sample a well defined area of the test surface. Inoculate a 90 mm plate by streaking the swab over the agar surface. Furthermore, the medium is suitable for personnel hygiene monitoring to detect microbial contamination of gloves or hands e.g. in a 5-finger-print.

Incubate the plates at 20-25°C for 5-7 days or at 30-35°C for 24-48 hours.

INTERPRETING RESULTS

Transfer or grow a fresh sample on dehydrated media may be required in order to obtain pure cultures of fungi.

Examine the fungal colonies with a high typical microscopic and colonial morphology. Biochemical tests may be required for identification.

The data combined with moulds count (TYMC) is considered to be equal to the number of CFU found per each plate.

Only an acceptable criterion for microbiological quality is prescribed it is interpreted as follows:

CFU maximum acceptable count = 20;

CFU maximum acceptable count = 200;

CFU maximum acceptable count = 2000, and so forth.

In pharmaceuticals intended for environmental and personnel hygiene, absence daily for the formation of colonies.

APPEARANCE

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

STORAGE

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

SHELF LIFE

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

QUALITY CONTROL

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

Inoculum for productivity: 50-100 CFU.

Incubation conditions: 32.5 ± 2.5°C for 24-48 h (*C. albicans*) and at 22.5 ± 2.5°C for up to 5 days (all listed organisms), under aerobic atmosphere.

QC Table.

Microorganism	WDCM 00054	WDCM 00053	WDCM 00058	Growth
<i>Candida albicans</i>				Good
<i>Aspergillus brasiliensis</i>				Good
<i>Saccharomyces cerevisiae</i>				Good

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

- EN ISO 11133:2014, Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media
- European Pharmacopoeia 6.5 (2009) 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms.
- United States Pharmacopoeia 32 NF (2009) <62> Microbiological examination of non-sterile products: Test for specified microorganisms
- Japanese Pharmacopoeia 4.05 (2008) Microbiological examination of non-sterile products: Test for specified microorganisms.
- Sabouraud, R. (1992) Ann. Dermatol. Syphilid. 3:1061.

PRESENTATION

Sabouraud Dextrose Agar	Category	Packaging	Ref.
Sabouraud Dextrose Agar	90 mm plates	20 plates	10035
Sabouraud Dextrose Agar	90 mm plates	100 plates	10035*
Sabouraud Dextrose Agar	90 mm plates (triple-wrapped and gamma-irradiated)	20 plates	10035S
Sabouraud Dextrose Agar	90 mm plates (triple-wrapped and gamma-irradiated, 30 ml filling volume)	20 plates	10114S f
Sabouraud Dextrose Agar	60 mm plates	20 plates	163402 f
Sabouraud Dextrose Agar	60 mm plates	450 plates	173402 f
Sabouraud Dextrose Agar	Tubes - Bottles	10 x 9 ml slant tubes	30093
Sabouraud Dextrose Agar	Tubes - Bottles	20 x 9 ml slant tubes	31093
Sabouraud Dextrose Agar	Tubes - Bottles	6 x 500 ml bottles	470040
Sabouraud Dextrose Agar	Tubes - Bottles	6 x 200 ml bottles	412280
Sabouraud Dextrose Agar	Tubes - Bottles	6 x 100 ml bottles	402280
Sabouraud Dextrose Agar	Dehydrated culture medium	500 g of powder	610103
Sabouraud Dextrose Agar	Dehydrated culture medium	100 g of powder	620103
Sabouraud Dextrose Agar	Dehydrated culture medium	5 kg of powder	610103S

f: Not CE Marked

TABLE OF SYMBOLS

LOT	Batch code	IVD	In vitro Diagnostic Medical Device	Manufacturer	Use by	Expiry date	Do not reuse
REF	Catalogue number	Conforms sufficient for	Conforms sufficient for	Conforms sufficient for	Conforms sufficient for	Conforms sufficient for	Conforms sufficient for

LIOFILCHEM® s.r.l.

Via Sesto Zona Ind.le 64026 Roseto degli Abruzzi (Teramo)
Tel. +39 0861 40745 Fax +39 0861 407410 www.liofilchem.com

Sabouraud Dextrose Broth

Liquid medium for the cultivation of yeasts and moulds from different materials, according to USP/EP/IP.



DESCRIPTION

Sabouraud Dextrose Broth (SDB) is a liquid medium recommended for use in qualitative procedures for isolation of yeasts and moulds and for the culture or subculture of fungi from clinical and nonclinical specimens.

This medium conforms to the requirements of the harmonized method in the United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) for the microbiological examination of non-sterile products.

TYPICAL FORMULA

	(g/l)
Pancreatic Digest of Casein	5.0
Peptic Digest of Animal Tissue	5.0
Dextrose	20.0
Final pH 5.6 ± 0.2 at 25°C	

METHOD PRINCIPLE

Pancreatic digest of casein and peptic digest of animal tissue provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Dextrose is an energy source. The high concentration of dextrose and the acidic pH of the medium permit selectivity of fungi.

The medium can be supplemented with chloramphenicol to increase bacterial inhibition and recovery of dermatophytes.

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. Dispense into appropriate containers. Sterilize in autoclave at 121°C for 15 minutes.

TEST PROCEDURE

For use in medical microbiology

Inoculate the specimen directly into the broth. Incubate aerobically at 25°C for 2-7 days (incubation conditions may vary according to the type of specimen and the microorganisms being tested for).

For use in industrial microbiology

To prepare the fungal test strains grow *C. albicans* or *A. brasiliensis* at 20-25°C for 48-72 hours or 5-7 days, respectively.

To test for *C. albicans*, inoculate the preparation of the product to be examined 1:100 in SDB and incubate at 30-35°C for 3-5 days. Subculture on a plate of Sabouraud Dextrose Agar (ref. 10035).

INTERPRETING RESULTS

Turbidity indicates microbial growth.

APPEARANCE

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

Prepared medium: clear, light amber, may have a slight precipitate.

STORAGE

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

SHELF-LIFE

Dehydrated medium: 4 years.
Specimens 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: 32.5 ± 2.5°C for 48-72 h (*C. albicans*) and at 22.5 ± 2.5°C for up to 5 days (all listed organisms), under aerobic atmosphere.

QC Table.

Microorganism	ATCC®	ATCC®	Growth
<i>Candida albicans</i>	10231	10231	Good
<i>Aspergillus brasiliensis</i>	16404	16404	Good
<i>Saccharomyces cerevisiae</i>	9763	9763	Good

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

- European Pharmacopoeia 6.5 (2009) 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms.
- United States Pharmacopoeia 32 NF 27 (2009) <62> Microbiological examination of non-sterile products: Test for specified microorganisms.
- Japanese Pharmacopoeia 4.05 (2008) Microbiological examination of non-sterile products: Test for specified microorganisms.
- Sabouraud, R. (1892) Ann. Dermatol. Syphilol. 3:1061.

PRESENTATION

	Contents	Ref.
Sabouraud Dextrose Broth	Tubes	20 x 10 ml tubes 24109
Sabouraud Dextrose Broth	Bottles	6 x 100 ml bottles 402040
Sabouraud Dextrose Broth	Bottles	25 x 100 ml bottles 452040
Sabouraud Dextrose Broth	Bottles	6 x 500 ml bottles 471070
Sabouraud Dextrose Broth	Dehydrated medium	500 g of powder 610104
Sabouraud Dextrose Broth	Dehydrated medium	100 g of powder 620104

TABLE OF SYMBOLS

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

LIOFILCHEM® s.r.l.

Via Salaria zona ind.le. 64026, Rocca degli Abruzzi (Ter. It.)
www.liofilchem.net
Tel. +39 (0)859910745 Fax +39 (0)859910310



liofilchem@liofilchem.net

MOTILITY INDOLE UREA AGAR (M.I.U.)

Medium used for differentiating Enterobacteriaceae based on motility, indole production and urease activity

TYPICAL FORMULA (g/L)	
Tryptone	30.0
Sodium Chloride	5.0
Potassium Dihydrogen Phosphate	5.0
Phenol Red	0.004
Agar	3.0
Final pH 6.9 ± 0.2	

DESCRIPTION

MOTILITY INDOLE UREA AGAR (M.I.U.) is a semisolid medium designed for detection in *Enterobacteriaceae* of urease activity, motility, and indole production. It was also used in combination with Kligler Iron Agar (Code 30087) for the recognition and differentiation of *Salmonella* and *Shigella* species from colonies picked from plating media in fecal cultures (1).

PRINCIPLE

Tryptone is a pancreatic digest of casein. Casein is the main protein of milk and is a rich source of amino acid nitrogen. This hydrolysate has high tryptophan content and is therefore used in media for testing the indole reaction. Sodium chloride maintains the osmotic balance. Potassium dihydrogen phosphate buffer the medium. Phenol Red is a pH indicator. The small amount of agar makes the medium semisolid. Bacterial motility can be observed directly from examination of the tubes following incubation. Growth spreads out of the line of inoculation if the organism is motile. Highly motile organisms provide growth throughout the tube. Growth of non motile organisms only occurs along the stab line. Urease activity was observed by a change of color to red. When organisms utilize urea, ammonia is formed during incubation which makes the reaction of these media alkaline, producing a red-pink color. Consequently, urease production may be detected by the change in the phenol red indicator. Organisms that possess the enzyme "tryptophanase" degrade the amino acid tryptophan to indolepyruvic acid, from which indole can be formed through decarboxylation.

PREPARATION

Suspense 430 g in 1 litre of distilled water. Heat until completely dissolved. Autoclave at 121 °C for 15 minutes. Cool to 50 °C. Aseptically add 50 ml of Urea 40% supplement (Code 60292).

TECHNIQUE

Inoculate tubes with a pure culture by stabbing the center of the column of medium to greater than half the depth. Incubate tubes for 18-48 hours at 35 ± 2 °C in aerobic atmosphere.

INTERPRETATION OF RESULTS

- Motility was observed by growth extending from the line of inoculum or diffuse turbidity of the medium. Nonmotile organisms grow only along the line of inoculation.
 - Urease activity was observed by a change of color to red.
 - Indole production is indicated by the formation of a pink to red color after the addition of three or four drops of Kovac's reagent (Code 20070) to the surface of the medium. A negative reaction is indicated by the development of a yellow color.
- The red color of phenol red in alkaline pH did not interfere because of the acidity of Kovac's reagent. The efficacy of MOTILITY INDOLE UREA AGAR (M.I.U.) and Kligler Iron Agar (Code 30087) for presumptive recognition of *Salmonella* and *Shigella* is shown in the work of Rosa Fraile et al (1)

STORAGE

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

WARNING and PRECAUTIONS

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

DISPOSAL OF WASTE

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

REFERENCES

- Rosa Fraile, Olga and Chatterjee. (1980). Evaluation of Urea-Motility-Indole Medium for Recognition and Differentiation of *Salmonella* and *Shigella* Species in Stool Cultures. *Eiter and Clark*. (1970). *Appl-Microbiol.* 2:849
- Obaykowski, B. (1970). *Am. J. Clin. Pathol.* 54:720
- Meeuwagen, J. (2000). *Biochemical tests for identification of medical bacteria*, 3rd ed. Lippincott Williams & Wilkins. Baltimore, Md. *Journal of Clinical Microbiology*, Sept. (1980), p. 310-313

LIOfilchem s.r.l.

Via Soazza, Zona Industriale - 64026 Roseto degli Abruzzi (Te) Italy - Tel. +39 0858930745 - Fax +39 0858930330
Web site: <http://www.liofilchem.net> - E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME
MOTILITY INDOLE UREA AGAR (M.I.U.)

PRESENTATION
Dehydrated culture medium

STORAGE
10-30 °C

PACKAGING

Code	Content	Packaging
610236	500 gr	500 gr of powder in plastic bottle
610235	100 gr	100 gr of powder in plastic bottle

pH OF THE MEDIUM
6.9 ± 0.2

USE

MOTILITY INDOLE UREA AGAR (M.I.U.) is a semisolid medium designed for detection in *Enterobacteriaceae* of urease activity, motility, and indole production.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Dehydrated medium

Appearance: free-flowing, homogeneous.

Colour: light beige

Prepared medium

Appearance: clear semisolid

Colour: light amber

SHELF LIFE

4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
- 7 days at 25 ± 1 °C, in aerobiosis
- 7 days at 36 ± 1 °C, in aerobiosis
- Microbiological control
- Inoculum for productivity: 10⁸-10⁹ UFC/ml
- Inoculum for specificity: ± 10⁶ UFC/ml
- Incubation conditions: 18-48 hours at 35 ± 2 °C, aerobically

Microorganisms	Motility	Indole production	Urease reaction
<i>Escherichia coli</i>	+	+	+
<i>Shigella flexneri</i>	+	+	+
<i>Salmonella typhi</i>	+	+	+
<i>Proteus mirabilis</i>	+	+	+
<i>Enterobacter aerogenes</i>	+	+	+

TABLE OF SYMBOLS

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





ENGLISH

UREA 40% Supplement

Supplement for the detection of urease activity of bacteria

DESCRIPTION

UREA 40% Supplement is a supplement per la detection of urease activity of bacteria and it is made of a 40% urea aqueous solution for microbiological use. UREA 40% Supplement is used for the enrichment of medium Urea Agar Base cod. 610107 or 620107.

KIT CONTENTS

Each kit contains:

- 6 bottles each containing 100 ml of UREA 40% Supplement.
- 1 Instruction sheet

PRINCIPLE OF THE METHOD

The utilization of urea by microorganisms provided of urease causes the alkalinization of medium and consequently the colour turning of indicator red phenol from amber to pink colour.

COMPOSITION

UREA 40% Supplement		
	Contents / bottle	Contents / l of medium
Urea	40.0 g	20.0 g

PROCEDURE FOR USE

1. Aseptically take 50 ml of solution from one bottle of UREA 40% Supplement and add to 950 ml of Urea Agar Base cod. 610107 or 620107 autoclaved and cooled to 45-50 °C.
2. Mix with care avoiding the formation of foam.
3. Distribute into the final containers.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation for medium Urea Agar Base cod. 610107 or 620107.

QUALITY CONTROL

1. Control of the appearance: clear, colourless solution.
2. Microbiological control:
prepare the plates using as base the medium Urea Agar Base cod. 610107 or 620107 added with UREA 40% Supplement.
The plates are inoculated with the strains indicated in the table of microbiological control.
Conditions of incubation: 6-24 h at 36 ± 1 °C.
Microbiological control:

Control strains		Ureasic activity
<i>Proteus vulgaris</i>	ATCC 13315	Positive / pink medium
<i>Escherichia coli</i>	ATCC 25922	Negative / no change in colour

PRECAUTIONS

The product UREA 40% Supplement is not classified as hazardous under current legislation.
UREA 40% Supplement is a supplement to be used only for *in vitro* diagnostic use. It is intended for use in a professional environment and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE

Store UREA 40% Supplement at 2-8°C in its original packaging. In such conditions UREA 40% Supplement maintains its validity until the expiry date indicated on the label. Non utilizzare oltre questa data. Eliminate without using if there are signs of deterioration.

REFERENCES

- Christensen, W.B. (1946). J. Bact. 52: 461-466.
- Maslen, L.G.C. (1952). Brit. Med. J. 2: 545-546.

PRESENTATION

product	REF	
UREA 40% Supplement	80110	6 bottles

One bottle is sufficient to prepare 2 L of medium

TABLE OF SYMBOLS

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

**LIOFILCHEM s.r.l.**

Via Scozia Zona Ind.le - 64026 Roseto D.A. (TE) - Italy

Tel. +390858930745

Fax +390858930330

Website: www.liofilchem.net

Rev. 01 06.03.2009

E-Mail: liofilchem@liofilchem.net



MUELLER HINTON AGAR

Medium for susceptibility test (Kirby-Bauer method).

TYPICAL FORMULA (g/L)	
Meat Extract	2,0
Casamino Acids, Technical	17,5
Starch	1,5
Agar	15,0
Final pH 7,3 ± 0,1	

DESCRIPTION

MUELLER HINTON AGAR is used for antimicrobial susceptibility testing of rapidly growing aerobic microorganisms by the disk diffusion technique.

PRINCIPLE

Casamino acids and meat extract are a source of amino acids, nitrogen, minerals, vitamins, carbon and other factors which increase the growth of microorganisms. Starch acts as a protective substance against toxic molecules which can be present in the medium. Hydrolysis of starch during sterilization supplies a little amount of glucose which represents a source of energy. Agar is the solidifying agent. Kirby-Bauer method is based on the diffusion, through the agar, of antimicrobial substances which soaks paper disks; microorganism growth shows an inhibition halo around the disk and the diameter of the halo is correlated to the Minimal Inhibiting Concentration (MIC).

PREPARATION

Suspend 36,0 g. of powder in 1 litre of distilled or deionized water. Heat to boiling and shake until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. Dispense in final containers.

TECHNIQUE

Transfer 4-5 colonies in an appropriate broth. Place it in a 37°C incubator until an opacity is obtained equivalent to the standard opacity of 0.5 on the MacFarland scale. Introduce a sterile swab into the inoculum and inoculate the agar passing 2 or 3 times onto the entire surface. Press the disk containing the antimicrobial on the agar surface. Incubate at 36±1°C for 18 hours, measure the inhibition zone with a compass and compare to the NCCLS recommended zone ranges.

INTERPRETATION OF RESULTS

Compare obtained values of inhibition halo diameter with the values reported on NCCLS M100(M2) document.

STORAGE

10-30°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

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

DISPOSAL of WASTE

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

REFERENCES

- Bauer et al. (1988). J. Clin. Pathol. 45:493-496.
- Mueller, J.H., and Hinton. 1941. Proc. Soc. Exp. Biol. Med. 48: 330-333.
- NCCLS: Performance standards for susceptibility testing; Twelve Informational Supplement. NCCLS Document M100-S12, January 2002.



Liofilchem s.r.l.

Via Sciozia-Zona Industriale - 64026 Roseto degli Abruzzi Tel. +39 085 8930745 - Fax +39 085 8930330
Web site: <http://www.liofilchem.net> E-mail: liofilchem@liofilchem.net



Liofilchem s.r.l.

Via Sciozia-Zona Industriale - 64026 Roseto degli Abruzzi Tel. +39 085 8930745 - Fax +39 085 8930330
Web site: <http://www.liofilchem.net> E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME
MUELLER HINTON AGAR

PRESENTATION
Dehydrated culture medium

STORAGE
10-30°C

PACKAGING

Code	Content	Packaging
610033	500 g	500 g of powder in plastic bottle
620033	100 g	100 g of powder in plastic bottle
6100335	5 kg	5 kg of powder in plastic container

pH OF THE MEDIUM

7,3 ± 0,1

USE

MUELLER HINTON AGAR is used for antimicrobial susceptibility testing of rapidly growing aerobic microorganisms by the disk diffusion technique.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Amber medium, slightly opalescent.

SHELF LIFE

4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Incubation conditions: 18-24 h at 36 ± 1°C

Microorganism	ATCC	Growth	Characteristics
<i>Enterococcus faecalis</i>	ATCC 29212	Good	White colonies
<i>Escherichia coli</i>	ATCC 25922	Good	Colorless colonies
<i>Proteus mirabilis</i>	ATCC 25933	Good	Colorless colonies
<i>Staphylococcus aureus</i>	ATCC 25923	Good	White colonies

TABLE of SYMBOLS

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



Fluid Thioglycollate Medium

Liquid medium for sterility test and cultivation of fastidious anaerobic and aerobic microorganisms, according to Harmonized USP/EP/J and ISO 7937.



DESCRIPTION

Fluid Thioglycollate Medium is a general purpose liquid enrichment medium used for sterility control of pharmaceutical products and for cultivation and isolation of fastidious anaerobic and aerobic microorganisms. The composition is in accordance with the requirements of the Harmonized US, European and Japanese Pharmacopoeia as well as with ISO 7937 for isolation of *Clostridium perfringens*.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	15.0
Yeast Extract	5.0
Glucose	5.5
Sodium Chloride	2.5
Sodium Thioglycollate	0.5
L-Cysteine	0.5
Resazurin	0.001
Agar	0.75
Final pH 7.1 ± 0.2 at 25°C	

METHOD PRINCIPLE

Enzymatic digest of casein provides amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Yeast extract is a source of vitamins, particularly of B-group. Glucose is a source of energy. Sodium chloride maintains the osmotic balance of the medium. Sodium thioglycollate and L-cysteine are included to reduce the redox potential of the medium and create an anaerobic atmosphere. These reducing agents also neutralize the bacteriostatic effects of mercury and other heavy metal compounds in the preparation to be tested for sterility. Resazurin is an oxidation-reduction indicator being pink when oxidized and colorless when reduced. The small amount of agar assists in the maintenance of a low redox potential by stabilizing the medium against convection currents, thereby maintaining anaerobiosis in the lower depths of the medium.

PREPARATION

Dehydrated medium

Suspend 29.8 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Dispense into appropriate containers. Sterilize in autoclave at 121°C for 15 minutes.

Medium in tubes/bottles

If the medium exhibits more than 20% pink color (due to oxidation), the medium may be reheated once for 5 minutes with cap slightly loosened in steam or boiling water in order to expel the oxygen.

TEST PROCEDURE

The medium can be directly inoculated with the test sample (the amount of the inoculated sample material should not be exceed 10% volume of the medium). Incubate at 30-35°C for up to 14 days. Growth of strictly aerobic bacteria can be improved by slightly loosening the cap.

According to ISO 7937 for confirmation of *Clostridium perfringens* inoculate each black colony from Sulfite Cycloserine Agar (ref. 402700) into Fluid Thioglycollate Medium. Incubate at 37 ± 1°C for 18-24 hours. Subsequently, transfer 5 drops of the enrichment culture into Lactose Sulfite Medium (ref. 610358) and incubate at 46 ± 1°C for 18-24 hours.

INTERPRETING RESULTS

Turbidity of the medium indicates microbial growth. Obligate anaerobic microorganisms such as *Clostridium sporogenes* are growing in the lower, yellowish part of the broth medium. The growth of facultative anaerobic microorganisms such as *Staphylococcus aureus* is distributed throughout all the medium. Aerobic microorganisms such as *Pseudomonas aeruginosa* are able to grow in the upper slightly pink layer (oxidized part) of the medium.

APPEARANCE

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

Prepared medium: slightly opalescent, light amber (20% or less of upper layer may be pink).

STORAGE

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

SHELF LIFE

Dehydrated medium: 4 years.
Medium in bottles: 2 years.
Medium in tubes: 1 year.

QUALITY CONTROL

Fluid Thioglycollate Medium is inoculated with the microbial strains indicated in the QC table. Inoculum for productivity: ≤ 100 CFU.
Incubation conditions: 24 h at 30-35°C for bacteria, 48 h at 20-25°C for yeasts, 72 h at 20-25°C for moulds (Pharmacopoeia growth promotion);
18-24 at 37 ± 1°C for *Clostridium perfringens* (ISO 11133).

QC Table.

Microorganism	ATCC®	Specification
<i>Bacillus subtilis</i>	ATCC® 6633	Visible turbidity
<i>Clostridium sporogenes</i>	ATCC® 19404	Visible turbidity
<i>Escherichia coli</i>	ATCC® 8739	Visible turbidity
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Visible turbidity
<i>Staphylococcus aureus</i>	ATCC® 6538	Visible turbidity
<i>Candida albicans</i>	ATCC® 10231	Visible turbidity
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Visible turbidity
<i>Clostridium perfringens</i>	WDCM 00007	Slight to good turbidity

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

- ISO 11133:2014, Microbiology of food-animal feed and water - Preparation, production, storage and performance testing of culture media - Colony count technique.
- ISO 7937:2004, Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of *Clostridium perfringens* - Colony count technique.
- United States Pharmacopoeia Convention (2008), The United States Pharmacopoeia, 31st (the National formulary 26, Supp. 1, 8-1-08, online).
- European Directorate for the Quality of Medicines and Healthcare, 2008 The European pharmacopoeia, 6th ed., Supp. 1, 4-1-08; online.
- Japanese Ministry of Health, Labour and Welfare, 2006, The Japanese pharmacopoeia, 15th ed., online.
- Brewer J.H. (1940) Clear liquid medium for the aerobic "cultivation" of anaerobes. J. Am. Med. Assoc. 115:598-600.

PRESENTATION

	Contents	Ref.
Fluid Thioglycollate Medium	Tubes	20 x 10 ml tubes
Fluid Thioglycollate Medium	Tubes	24124
Fluid Thioglycollate Medium	Tubes	100 x 10 ml tubes
Fluid Thioglycollate Medium	Tubes	26124
Fluid Thioglycollate Medium	Tubes	10 x 20 ml tubes
Fluid Thioglycollate Medium	Tubes	21241
Fluid Thioglycollate Medium	Tubes	20 x 20 ml tubes
Fluid Thioglycollate Medium	Tubes	24241
Fluid Thioglycollate Medium	Bottles	6 x 100 ml bottles (flip-off cap)
Fluid Thioglycollate Medium	Bottles	400020
Fluid Thioglycollate Medium	Bottles	6 x 300 ml bottles (flip-off cap)
Fluid Thioglycollate Medium	Bottles	400120
Fluid Thioglycollate Medium	Bottles	6 x 1000 ml bottles (flip-off cap)
Fluid Thioglycollate Medium	Bottles	400220
Fluid Thioglycollate Medium	Bottles	6 x 100 ml bottles (screw cap)
Fluid Thioglycollate Medium	Bottles	452060
Fluid Thioglycollate Medium	Bottles	25 x 100 ml bottles (screw cap)
Fluid Thioglycollate Medium	Bottles	453060
Fluid Thioglycollate Medium	Bottles	6 x 900 ml bottles (screw cap)
Fluid Thioglycollate Medium	Bottles	463100
Fluid Thioglycollate Medium	Bottles	6 x 100 ml bottles (crimp cap)
Fluid Thioglycollate Medium	Bottles	495020
Fluid Thioglycollate Medium	Bottles	6 x 100 ml bottles (perforable cap)
Fluid Thioglycollate Medium	Bottles	493000
Fluid Thioglycollate Medium	Bottles	6 x 500 ml bottles (wide neck)
Fluid Thioglycollate Medium	Bottles	470300
Fluid Thioglycollate Medium	Dehydrated medium	500 g of powder
Fluid Thioglycollate Medium	Dehydrated medium	610050
Fluid Thioglycollate Medium	Dehydrated medium	100 g of powder
Fluid Thioglycollate Medium	Dehydrated medium	620050
Fluid Thioglycollate Medium	Dehydrated medium	5 kg of powder
Fluid Thioglycollate Medium	Dehydrated medium	6100505

TABLE OF SYMBOLS

LOT	Batch code	IVD	In vitro Diagnostic Medical Device	Manufacturer	Use by	Fragile, handle with care	Keep away from sunlight
REF	Catalogue number	Temperature limitation	Expiry date indication	For one test	Consult the instruction for use	Do not reuse	

LIOfILCHEM® s.r.l.

Via Nazario Sauro, 106 - 64026 Roseto degli Abruzzi - Ter. Italy
www.liofilchem.net
Tel. +39 0859930545 Fax +39 0859930540



KLIGLER IRON AGAR

Differential medium for enterobacteria identification.

TYPICAL FORMULA (g/l)

Proteose Peptone	20.0
Sodium Chloride	5.0
Yeast Extract	3.0
Meat Extract	3.0
Ferrous Sulfate	0.2
Sodium Thiosulphate	0.3
Lactose	10.0
Glucose	1.0
Phenol Red	0.024
Agar	11.0

Final pH = 7.4 ± 0.2 at 25 °C.

DIRECTIONS

Suspend 53.5 g of powder in 1 liter of distilled or deionized water. Heat to boiling until completely dissolved. Dispense into final tubes. Sterilize in autoclave at 121°C for 15 minutes. Cool in a slanting position.

DESCRIPTION

KLIGLER IRON AGAR is a solid medium used to distinguish between *Enterobacteriaceae* on the basis of their ability to ferment lactose and / or glucose and to produce hydrogen sulphide.

TECHNIQUE

Inoculate by stabbing the butt and abundantly streaking the slope. Incubate at 36 ± 1°C for 18-24 hours and check the color of the medium both in the butt and at the slope. Also check for the presence of gas in the butt and the presence of the black precipitate (H₂S).

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: pinkish beige.

Prepared medium

Appearance: slightly opalescent, slight precipitate.

Color: slightly orange-red.

Incubation conditions: 36 ± 1°C for 18-24 hours.

Microorganism	ATCC	Growth	Slant/butt acid/acid	Gas	H ₂ S
<i>Citrobacter freundii</i>	8090	good	acid/acid	+	+
<i>Escherichia coli</i>	25922	good	acid/acid	+	-
<i>Proteus vulgaris</i>	6380	good	alkaline/acid	-	+

PERFORMANCE AND LIMITATIONS

A pure culture is essential when inoculating Kligler Iron Agar. If inoculated with a mixed culture, irregular observations may occur.

STORAGE

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

REFERENCES

1. MacFaddin J.E. (1976). Biochemical tests for identification of medical bacteria. 2. Ziegler J. (1978). J. Exp. Med. 28: 319-322.

LIOFILCHEM S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY
Phone +390858930745 Fax +390858930330
Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



LIOFILCHEM S.r.l.
Via Scozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY
Phone +390858930745 Fax +390858930330
Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



PRESENTATION

Product	REF	
KLIGLER IRON AGAR (9.3 l)	610023	500 g
KLIGLER IRON AGAR (1.8 l)	620023	100 g

TABLE OF SYMBOLS

LOT	Batch code	Caution, consult accompanying documents	Manufacturer	Contains sufficient for cfr tests	IVD
REF	Catalogue number	Fragile, handle with care	Use by	Temperature limitation	In Vitro Diagnostic Medical Device



Nutrient Broth

Liquid medium for the cultivation of nonfastidious microorganisms.

DESCRIPTION

Nutrient Broth is a liquid medium used for the cultivation of a wide variety of organisms from clinical specimens and other materials.

This medium can be enriched with other ingredients such as blood, serum, sugars, etc., for special purposes.

TYPICAL FORMULA

	(g/l)
Beef Extract	1.0
Peptone	5.0
Yeast Extract	2.0
Sodium Chloride	5.0
Final pH 6.8 ± 0.2 at 25°C	

METHOD PRINCIPLE

Beef extract and peptone 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.

PREPARATION

Dehydrated medium Suspend 13 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

Inoculate broth with test sample. Incubate at 35 ± 2°C for 18-24 hours or longer if necessary.

INTERPRETING RESULTS

Turbidity indicates microbial growth.

APPEARANCE

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

STORAGE

The powder is very hygroscopic, store the powder at 10-30°C, in a dry environment, in its original container tightly closed. Store bottles 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.



QUALITY CONTROL

The medium is inoculated with the microbial strains indicated in the QC table. Inoculum for productivity: ≤100 CFU

Incubation conditions: aerobically at 35 ± 2°C for 18-24 hours.

QC Table.

Microorganism	Growth
<i>Escherichia coli</i> ATCC® 25922	Good
<i>Staphylococcus aureus</i> ATCC® 25923	Good

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for *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. Association of Official Analytical Chemists (1995) Official methods of analysis of AOAC International, 16th ed.
2. Marshall, R.T. (ed.) (1993) Standard methods for the microbiological examination of dairy products, 16th ed.
3. American Public Health Association (1923) Standard methods of water analysis, 5th ed.

PRESENTATION

	Contents	Ref.
Nutrient Broth	Tubes	24103
Nutrient Broth	Tubes	27503
Nutrient Broth	Bottles	402000
Nutrient Broth	Bottles	470050
Nutrient Broth	Dehydrated medium	610037
Nutrient Broth	Dehydrated medium	620037
Nutrient Broth	Dehydrated medium	6100375

TABLE OF SYMBOLS

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

LIOFILCHEM® s.r.l.

Via Suzzara zona ind.le. 64026 Rustico degli Abruzzi - Ter. Italy
Tel. +39 0859310135 Fax +39 0859310140 www.liofilchem.net



liofilchem@liofilchem.net

www.liofilchem.net

Mannitol Salt Agar

Selective medium for isolation and enumeration of staphylococci from clinical samples and other materials, according to USP/EP/JP.



DESCRIPTION

Mannitol Salt Agar is a selective medium used for isolating pathogenic staphylococci from clinical samples, food and other materials of sanitary importance.

This medium is prepared according to recommendations of the harmonized USP/EP/JP method for the detection of *S. aureus* in non sterile pharmaceutical products.

TYPICAL FORMULA

	(g/l)
Pancreatic Digest of Casein	5.0
Peptic Digest of Animal Tissue	5.0
Beef Extract	1.0
D-Mannitol	10.0
Sodium Chloride	75.0
Phenol Red	0.025
Agar	15.0
Final pH 7.4 ± 0.2 at 25°C	

METHOD PRINCIPLE

Pancreatic digest of casein, peptic digest of animal tissue and beef extract provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Mannitol is the fermentable carbohydrate. The high salt content of 7.5% inhibits most bacteria other than staphylococci. Phenol red is the pH indicator. Agar is the solidifying agent.

PREPARATION

Dehydrated medium

Suspend 111 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil for 1 minute shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

Medium in bottles

Melt the content of the bottle in a water bath at 100°C (loosening 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

Inoculate plates by the direct streaking of the material to be examined over the agar surface. Incubate aerobically at 35 ± 2°C for 24-48 hours.

Harmonized USP/EP/JP method for microbiological examination of non sterile products recommends to inoculate the sample in Tryptic Soy Broth (ref. 24444). Subculture on a plate of Mannitol Salt Agar and incubate at 30-35°C for 18-72 hours.

INTERPRETING RESULTS

S. aureus cultivates with yellow or white colonies surrounded by a yellow zone. Confirm by identification tests*. Coagulase-negative Staphylococci form small colorless to red colonies with no color change to the medium

* Suspect colonies can be subcultured to a moderately selective medium such as Baird Parker RPE Agar (ref. 0521-302210) for the determination of coagulase activity (ISO 6888-2).

APPEARANCE OF THE MEDIUM

Dehydrated medium: free-flowing, homogeneous, beige-pink.
Prepared medium: slightly opalescent, pinkish-red.

STORAGE

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

SHELF LIFE

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

QUALITY CONTROL

Plates are inoculated with the microbial strains indicated in the QC table.

Inoculum for productivity: 10-100 CFU

Inoculum for selectivity: 10⁴-10⁶ CFU

Incubation conditions: aerobically at 35 ± 2°C for 24-48 hours.

* 30-35°C for 18-72 h (USP/EP/JP Growth Promotion Testing).

QC Table.

Microorganism	Growth	Specification
<i>Staphylococcus aureus</i>	ATCC® 25923	Good
<i>Staphylococcus aureus</i> *	ATCC® 6538	Good
<i>Staphylococcus epidermidis</i>	ATCC® 12228	Good
<i>Escherichia coli</i>	ATCC® 25922	Inhibited
<i>Escherichia coli</i> *	ATCC® 8739	Inhibited

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

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- United States Pharmacopoeia 32 NF 27 (2009), <62> Microbiological examination of non-sterile products: Test for specified microorganisms.
- Japanese Pharmacopoeia 4.05 (2008), Microbiological examination of non-sterile products: Test for specified microorganisms.
- ISO 6888-2:1999 + A1:2003, Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) – Part 2: Technique using rabbit plasma fibrinogen agar medium.
- Kloos, W.E., and T.L. Bannerman (1995) *Staphylococcus and Micrococcus*. In *Manual of clinical microbiology*, 6th ed.
- Chapman, G.H. (1945) The significance of sodium chloride in studies of staphylococci. *J. Bacteriol.* 50:201-203.

PRESENTATION

	Contents	Ref.
Mannitol Salt Agar	90 mm ready-to-use plates	20 plates
Mannitol Salt Agar	90 mm ready-to-use plates	100 plates
Mannitol Salt Agar	Bottles	6 x 500 ml bottles
Mannitol Salt Agar	Bottles	6 x 200 ml bottles
Mannitol Salt Agar	Bottles	6 x 100 ml bottles
Mannitol Salt Agar	Dehydrated medium	500 g of powder
Mannitol Salt Agar	Dehydrated medium	100 g of powder
Mannitol Salt Agar	Dehydrated medium	5 kg of powder

TABLE OF SYMBOLS

LOT	Batch code	IVD	In vitro Medical Diagnostic Device	Manufacturer	Use by	Frangible, handle with care
REF	Catalogue number	Temperature limitation	Contains sufficient for end-tests	Caution, consult instruction for Use	Do not reuse	

LIOFILCHEM® S.r.l.

Via Scovazzi 2001 and 2e 04026 Roselle degli Abruzzi Ter Lazio

Tel. + 39 0858930245

Fax + 39 0858930330

www.liofilchem.net



COLUMBIA AGAR BASE

Medium for fastidious microorganisms isolation from clinical samples.

TYPICAL FORMULA	(g/l)
Peptospectral	23.0
Starch	1.0
Sodium Chloride	5.0
Agar	14.0
Final pH = 7.3 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 43.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize in autoclave at 121 °C for 15 minutes. Cool to 45-50 °C and aseptically add 5% deformated sterile sheep blood. Mix well. Dispense in petri dishes.

- with 2 vials of CNA (Staf / Strep) supplement (colistin sulphate 5 mg/vial, nalidixic acid 8 mg/vial, code 81045), each one reconstituted with 5 ml of sterile distilled water; final medium will contain colistin sulphate 10 mg/l and nalidixic acid 16 mg/l.
- with 2 vials of *Gardnerella vaginalis* supplement (gentamicin 3 mg/vial, amphotericin B 1mg/vial, nalidixic acid 15 mg/vial, code 81040), each one reconstituted with 5 ml of a 1:1 solution of ethyl alcohol and sterile distilled water; final medium will contain gentamicin 6 mg/l, amphotericin B 2 mg/l and nalidixic acid 30 mg/l.

DESCRIPTION

COLUMBIA AGAR BASE, enriched with sterile sheep blood (5%), is suitable for isolation and growth of fastidious microorganisms such as streptococci, staphylococci, pneumococci and listeriae from clinical samples.

TECHNIQUE

Inoculate the medium with the specimen streaking by a sterile loop and incubate at 36 ± 1 °C for 18-48 hours aerobically, anaerobically or under conditions of increased CO₂ (5-10%), in accordance with established laboratory procedures. Examine plates for growth and hemolytic reactions. Four types of hemolysis on blood agar media can be described:

1. α-Hemolysis is the reduction of hemoglobin to methemoglobin in the medium surrounding the colony, causing a greenish discolorization of the medium.
2. β-Hemolysis is the lysis of red blood cells, producing a clear zone surrounding the colony.
3. γ-Hemolysis indicates no destruction of red blood cells and no change in the color of the medium.
4. δ-Hemolysis indicates a partial lysis.

QUALITY CONTROL

Dehydrated medium
Appearance: free-flowing, homogeneous.
Color: beige.
Prepared medium
Appearance: opaque.
Color: cherry red.
Incubation conditions: 36 ± 1 °C for 18-48 hours at 5-10% CO₂.

Microorganism	ATCC	Growth	Characteristics
<i>Streptococcus pyogenes</i>	19615	good	β-hemolysis
<i>Streptococcus pneumoniae</i>	6303	good	α-hemolysis
<i>Staphylococcus aureus</i>	25923	good	β-hemolysis
<i>Gardnerella vaginalis</i>	14018	good	β-hemolysis



LIOFILCHEM s.r.l.

Via Sciozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY
Phone +390858930745 Fax +390858930330
Website: www.liofilchem.net E-mail: liofilchem@lioilchem.net



PERFORMANCE AND LIMITATIONS

When this medium is enriched with 10% sterile sheep blood, heated at 80 °C for 10 minutes until a chocolate color is obtained, and an antibiotic mixture is added (vancomycin, colimycin, trimethoprim, amphotericin B) it is suitable for the selective isolation of the pathogens *neisseria*. If used without the addition of blood, the medium is suitable for growing of *Brucella abortus*, *Yersinia pestis*, *Clostridium perfringens* and *enterobacteria*. Hemolytic reactions of some strains of Group D streptococci have been shown to be affected by differences in animal blood. Such strains are beta-hemolytic on horse and rabbit blood agar and alpha-hemolytic on sheep blood agar.

STORAGE

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

REFERENCES

1. Ellner, P.D., C.J. Stoessel, E. Drakeford, and F. Vasi (1966). A new culture medium for medical bacteriology. Am. J.Clin. Path. 45, 502-504.
2. Isenberg, H.D. (ed.) (1992). Clinical microbiology procedures handbook, vol. 1 American Society for Microbiology, Washington, DC.

PRESENTATION

Product	REF	
COLUMBIA AGAR BASE (11.6 l)	610013	500 g
COLUMBIA AGAR BASE (2.3 l)	620013	100 g
COLUMBIA AGAR BASE (116.2 l)	6100135	5 Kg
SHEEP BLOOD DEFIBRINATED	83296	50 ml
CNA (Staf / Strep) supplement	81048	10 vials
Gardnerella vaginalis supplement	81040	10 vials

TABLE OF SYMBOLS

LOT	Batch code	Caution, consult accompanying documents	Manufacturer	Contains sufficient for 4-20 tests	IVD	In Vitro Diagnostic Medical Device
REF	Catalogue number	Fragile, handle with care	Use by	Temperature limitation		Keep away from heat source



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Via Sciozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY
Phone +390858930745 Fax +390858930330
Website: www.liofilchem.net E-mail: liofilchem@lioilchem.net



ENGLISH

STREP- CHECK KIT

Rapid agglutination test for direct identification of Streptococci, Lancefield's Groups A, B, C, D, F and G.

DESCRIPTION

STREP- CHECK KIT is for identification of streptococci, Lancefield's groups A, B, C, D, F and G. The different reagents are coated with the specific antibodies and will agglutinate in the presence of enzymatically-extracted antigen. All the reagents are supplied at optimal dilution for use with all recommended techniques without the need for further dilution or addition.

PACKAGE CONTENT

- **6 Latex Reagents (2.5 mL each):** dropper bottles containing latex particles coated with the specific antibodies.
- **1 POSITIVE CONTROL (1 mL):** dropper bottle containing positive control.
- **2 Extraction Enzyme (10 mL each):** bottles containing freeze dried extraction enzyme to reconstitute by adding 10 mL of distilled water in each bottle.
- 60 x 6 wells disposable cards.
- 12 x 25 disposable mixing sticks.

NECESSARY ITEMS NOT CONTAINED IN THE PACKAGE

- Disposable pipettes
- Disposable loops
- Physiological solution

METHOD PRINCIPLE

When used by the recommended techniques, latex particles in the reagents will agglutinate (clump) in the presence of the corresponding streptococci antigen. No agglutination generally indicates absence of the corresponding streptococci antigen.

TEST PROCEDURE

- Allow the reagents and positive control to reach room temperature.
- Using a sterile loop pick 2-6 colonies of streptococci making sure to avoid other types of colony on the plate.
- Emulsify the colonies in 0.4 ml of the Extraction Enzyme. (If a broth culture is to be grouped, pipette 0.1 ml of an overnight culture into 0.4 ml of the Extraction Enzyme).
- Incubate the mixture in a water bath at 37°C ($\pm$ 1°C) for 10 minutes, shaking tube vigorously after 5 minutes incubation.
- Dispense 1 drop of each latex reagent into the appropriate labelled circle on the test slide.
- Add one drop of the extract to each drop of latex reagent, and mix the contents of each circle with a separate mixing stick.
- Rock the slide for not longer than 1 minute and then observe for agglutination.
- Record the results.

INTERPRETATION OF RESULTS

Positive: Strong agglutination of specimen with ONE latex reagent, normally within a few seconds of mixing constitutes a positive result and within the accepted limitations of the test procedure, indicates the presence of that specific Streptococci group, either A, B, C, D, F or G.

Negative: No visible agglutination of latex particles in a milky liquid constitutes a negative result and within the accepted limitations of the test procedure, indicates the absence of Streptococci groups A, B, C, D, F and G.

Equivocal: If agglutination occurs in all groups then either the enzyme has been over-inoculated in which case repeat the test using a lighter inoculum, or a mixed culture was tested, in which case check for purity and retest.

LIMITATION OF USE

1. False positive reactions have been known to occur with organisms from unrelated genera, e.g. *Escherichia*, *Klebsiella* or *Pseudomonas*. These are likely to non-specifically agglutinate all latex reagents.
2. Group D antigen is common to organisms of group Q, R and S.
3. False negative results can occur if an inadequate amount of culture is used for extraction.
4. False positive or false negative results may also occur due to:
 - Contamination of test materials
 - Improper storage of test materials or omission of reagents
 - Deviation from the recommended techniques

PRECAUTION

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

STORAGE

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

DISPOSAL OF USED MATERIAL

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

PRESENTATION

Product	REF	
STREP- CHECK KIT	96016	50 tests

TABLE OF SYMBOLS

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



Liofilchem s.r.l.

Via Scozia-Zona industriale - 64026 Roseto degli Abruzzi Tel. +39.085.8930745 - Fax +39.085.8930330
Web site: <http://www.liofilchem.net> E-mail: liofilchem@liofilchem.net





ENGLISH

STAPH LATEX KIT

Rapid agglutination test for direct identification of *Staphylococcus aureus*.

DESCRIPTION

STAPH LATEX KIT is a rapid latex agglutination test on card for direct identification of *Staphylococcus aureus*.

STAPH LATEX KIT can be used both for the identification of colonies grown on plate and for the confirmation of *Staphylococcus aureus* directly from 3-STA well of the **PATHOGENIC SYSTEM double** (ref. 71678).

PACKAGE CONTENT

- **1 LATEX REAGENT (2.5 mL):** dropper bottle containing latex particles coated with fibrinogen (to which coagulase binds) and IgG (which binds with Protein A).
- **1 POSITIVE CONTROL (1 mL):** dropper bottle containing positive control composed of inactivated preparation of *S. aureus*.
- 10 x 6 wells disposable cards.
- 2 x 25 disposable mixing sticks.

NECESSARY ITEMS NOT CONTAINED IN THE PACKAGE

- Disposable pipettes
- Disposable loops
- Physiological solution

METHOD PRINCIPLE

Latex particles in **STAPH LATEX KIT** are individually coated with fibrinogen (to which coagulase binds) and IgG (which binds with Protein A). Mixed with a suspension of *S. aureus*, latex particles aggregate to give visible agglutination.

TEST PROCEDURE

- Allow the reagents and positive control to reach room temperature.
- Dispense one drop of physiological solution on an agglutination card. Using a disposable loop remove one well-isolated colony from an agar plate and emulsify it in the drop of physiological solution so to obtain a heavy and homogeneous suspension. Suspensions must only be made from colonies with morphologies resembling *Staphylococcus aureus*.
- In order to confirm the isolation on **PATHOGENIC SYSTEM double** take, using a disposable pipette, one drop from the suspension in the well 3- STA and drop it on an agglutination card.
- Dispense one drop of **STAPH LATEX REAGENT** on the agglutination card next to the bacterial suspension, and one drop on the well with the positive control. **Do not allow the dropper to touch bacterial suspension.**
- Mix the latex reagent and the bacterial suspension with a clean mixing stick and rock the slide gently two or three times. Excessive rocking of the slide is not necessary. Examine for agglutination within a maximum of 2 minutes.

INTERPRETATION OF RESULTS

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

LIMITATION OF USE

1. Results should be interpreted in the context of all available clinical and laboratory information.
2. Test only pure, single colonies since mixed colonies may give erroneous results.
3. Cultures older than 30 hours may autoagglutinate.
4. Rough strains of *Staphylococcus* may cause false positive reactions. These strains are rare and distinguishable from smooth strains by their colonial morphology. If suspected, these can be confirmed by emulsifying in a drop of saline and examining carefully for a smooth suspension.
6. Stringy reactions on the slide may not be true positive reactions and further biochemical tests are required.
7. All coagulase positive strains of *Staphylococcus* will react with **STAPH LATEX REAGENT** and *S. aureus* will therefore not be distinguishable from *S. intermedius* and *S. hyicus*. However, the latter two strains are infrequently isolated from human sources and are more commonly found in animals or as saprophytes.

PRECAUTION

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

STORAGE

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

DISPOSAL OF USED MATERIAL

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

PRESENTATION

Product	REF	Σ
STAPH LATEX KIT	96017	50 tests

TABLE OF SYMBOLS

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



Liofilchem s.r.l.

Via Scozia-Zona Industriale - 64026 Roseto degli Abruzzi Tel. +39.085.8930745 - Fax +39.085.8930330
Web site: <http://www.liofilchem.net> E-mail: liofilchem@liofilchem.net





X FACTOR TEST V FACTOR TEST V+X FACTOR TEST

ENGLISH

DESCRIPTION

X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST are constituted by paper discs with special features, containing the respective coagulation factors, used for differentiating *Haemophilus* spp.

CONTENT OF THE PACKAGES

Each package contains:

- 2 cartridges with 50 discs each, packaged in a heat-sealed container
- 1 dryer
- 1 instruction sheet

PRINCIPLE OF THE METHOD

Different strains of *Haemophilus* grow on a culture medium only in presence of the coagulation factor or factors (X, V, or both) which they need. These different requirements allow the differentiation and the identification of *Haemophilus* spp.

COMPOSITION

- Each disc of X FACTOR TEST contains Hemin.
- Each disc of V FACTOR TEST contains NAD (Nicotinamide-Adenine-Dinucleotide).
- Each disc of V+X FACTOR TEST contains Hemin and NAD (Nicotinamide-Adenine-Dinucleotide).

TEST PROCEDURE

1. Take the cartridges container from the refrigerator and leave it on the test bench until it reaches room temperature (about 30 minutes). This will prevent humidity being deposited on the discs when the package is opened, which could prejudice their long-term stability.
2. Using a sterile swab, evenly inoculate the surface of a plate of Tryptic Soy Agar (ref. 10037) or Mueller Hinton Agar (ref. 10031) with a pure suspension of the microorganism to test.
3. Using sterile tools, press one disc of X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST on the inoculated surface, at a distance of 120° from one to another and at 1-2 cm from the edge of the plate. Incubate at 36±1°C for 24-48 h in 5-10% carbon dioxide atmosphere.

INTERPRETATION OF THE RESULTS

If the organism requires X Factor alone, it will grow only at the edge of the X and the X+V FACTOR TEST discs; if it requires V Factor alone, it will grow only at the edge of the V and the X+V FACTOR TEST discs; if both X and V Factors are required, it will grow only at the vicinity of the X+V FACTOR TEST discs.

Some examples are indicated in the following table:

	Without Factors	Factor X	Factor V	Factors V+X
<i>Haemophilus influenzae</i>	-	-	-	+
<i>Haemophilus aegyptius</i>	-	-	-	+
<i>Haemophilus parainfluenzae</i>	-	-	+	+
<i>Haemophilus ducreyi</i>	-	+	-	+
<i>Bordetella pertussis</i>	+	+	+	+

QUALITY CONTROL

Each batch of X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST is subjected to microbial control, inoculating pure suspensions of *Haemophilus influenzae* ATCC 19418 and *Haemophilus parainfluenzae* ATCC 7901 on plates of Tryptic Soy Agar.

PRECAUTIONS

X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST cannot be classified as being hazardous according to the current legislation. X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST is a disposable device to be used only for diagnostic use *in vitro*. It must be used in the laboratory by properly trained personnel, using approved aseptic and safety methods for handling pathogenic agents.

STORAGE

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

DISPOSAL OF USED MATERIAL

After use, X FACTOR TEST, V FACTOR TEST and V+X FACTOR TEST and material that has come into contact with the sample must be decontaminated and disposed of in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infected material.

BIBLIOGRAPHY

- Kilian M. (1980) *Haemophilus*. in Manual of Clinical Microbiology. Eds. Lennette et al. Amer. Soc. for Microbiol. 3rd edn. Washington.

PRESENTATION

Product	REF	µg	△
X FACTOR TEST	9503	5	100
V FACTOR TEST	9504	4	100
V+X FACTOR TEST	9505	4+5	100

TABLE OF SYMBOLS

IVD	In Vitro Diagnostic Medical Device	⊗	Do not reuse
REF	Catalogue number	⚠	Fragile, handle with care
⚙	Manufacturer	Σ	Contains sufficient for <n> tests
⌚	Use by	⚠	Caution, consult accompanying documents
🌡	Temperature limitation	LOT	Batch code



LIOFILCHEM® S.r.l.

Via Scozia Zona Ind.le - 64026 Roseto D.A. (TE) - Italy

Tel. +390858930745

Fax +390858930330

Website: www.liofilchem.net



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Rev. 1/ 28.03.2013

E-Mail: lio@liochem.net



Optochine Test

Diagnostic discs for pneumococci identification.

DESCRIPTION

Optochine Test is constituted by paper discs, each one containing 5 µg of Optochin (Ethylhydrocupreine hydrochloride), used for differentiating *Streptococcus pneumoniae* from the other alpha-haemolytic streptococci.

CONTENT OF THE PACKAGES

Each package contains:

- 2 cartridges with 50 discs each, packaged in a heat-sealed container.
- Dryer.

PRINCIPLE OF THE METHOD

Optochin is an agent specifically active against *Streptococcus pneumoniae*, the other alpha-haemolytic streptococci are resistant. The disc is placed onto the surface of a culture medium that is suitable for the growth of streptococci, inoculated with a pure liquid culture of the microorganism under examination. After the incubation all the plates are examined for the presence or absence of an inhibition halo around the disc of Optochin.

COMPOSITION

Each disc contains 5 µg of Optochin.

PREPARATION OF THE SPECIMEN

1. Mixed cultures or clinical specimens must not be used to determine susceptibility to Optochin.
2. Inoculate a tube of Brain Heart Infusion Broth (ref. 20104) with pure colonies of the microorganism under examination.
3. Incubate at $36 \pm 1^\circ\text{C}$ overnight.

TEST PROCEDURE

1. Take the cartridges container from the refrigerator and leave it on the test bench until it reaches room temperature (about 30 minutes). This will prevent humidity being deposited on the discs when the package is opened, which could prejudice their long-term stability.
2. Using a sterile swab, evenly inoculate the surface of a plate of blood agar such as Tryptic Soy Blood Agar (ref. 11037), Columbia Blood Agar (ref. 11025) or other blood medium, with the suspension of the streptococcus under examination.
3. Using sterile tools, gently press one disc of Optochin on the inoculated surface.
4. Turn the plate upside down and incubate at $36 \pm 1^\circ\text{C}$ for 18-24 hours in atmosphere containing 5% of CO_2 .
5. Check for presence or absence of an inhibition halo around the disc of Optochin.

INTERPRETATION OF THE RESULTS

The test organism is considered sensitive to Optochin and presumptively *Streptococcus pneumoniae* if the inhibition zone is ≥ 14 mm diameter. The presumptive identification must be confirmed by serological tests.

QUALITY CONTROL

Each batch of Optochine Test is tested for susceptibility to Optochin by using *Streptococcus pneumoniae* ATCC® 6305 for positive control, and *Streptococcus pyogenes* ATCC® 19615 for negative control, inoculated on Columbia Blood Agar with 5% of defibrinated sheep blood.

PRECAUTIONS

Optochine Test cannot be classified as being hazardous according to the current legislation. Optochine Test is a disposable device to be used only for diagnostic use *in vitro*. It must be used in the laboratory by properly trained personnel, using approved aseptic and safety methods for handling pathogenic agents.

STORAGE

Store Optochine Test at $-20^\circ\text{C}/+8^\circ\text{C}$ in the original packaging. Keep away from sources of heat and avoid excessive changes in temperature. In such conditions, the product will remain valid until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.

DISPOSAL OF USED MATERIAL

After use, Optochine Test and material that has come into contact with the sample must be decontaminated and disposed of in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infected material.

BIBLIOGRAPHY

- https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/394193/TP_25i3.pdf
- J. Lab. Clin. Med., 49: 641, 1957.
- J. Clin. Path., 8: 58, 1955.
- Serological Studies on Pneumococci, Munksgaard, Copenhagen, Oxford University Press, London, 1943.
- J. Exp. Med. 22: 269, 1915.

PRESENTATION

Product	Ref.	Test
Optochine Test	9501	100

TABLE OF SYMBOLS

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

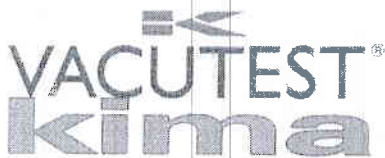


LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY

Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net





www.vacutestkima.it



DICHIARAZIONE DI CONFORMITÀ CE EC DECLARATION OF CONFORMITY

conforme all'Allegato III della Direttiva 98/79/CE "Dispositivi Medico-Diagnostici In Vitro" e s.m.i.
according to Annex III of the Directive 98/79/EC on "In Vitro Diagnostic Medical Devices" as amended

fabbricante
manufacturer

**VACUTEST KIMA S.r.l. - articoli per laboratori analisi
disposable labware**

indirizzo
address

**Via dell'Industria, 12
35020 Arzergrande (PD) - Italia**

telefono
phone

+39-049-9720624

fax
fax

+39-049-9720182

posta elettronica
e-mail

info@vacutestkima.it

identificazione dei prodotti
product identification

**Sistema di prelievo di sangue e altri liquidi biologici
mediante provette con vuoto predeterminato in plastica
"VACUTEST KIMA".**

**"VACUTEST KIMA" vacuum blood and biological liquids
collection tubes in plastic.**

nome commerciale
brand name

"VACUTEST KIMA"

classificazione dei prodotti
product classification

**dispositivi diversi da quelli elencati nell'Allegato II della Direttiva 98/79/CE e s.m.i.
devices other than those mentioned in Annex II of the Directive 98/79/EC as amended**

Si dichiara

sotto la propria responsabilità che tutti i dispositivi sopraelencati rispettano le disposizioni applicabili della Direttiva 98/79/CE e s.m.i. "Dispositivi Medico-Diagnostici In Vitro".
Tutta la documentazione tecnica richiesta dall'Allegato III della succitata Direttiva e comprovante il rispetto dei Requisiti Essenziali di cui all'Allegato I della Direttiva, è conservata a cura del Fabbricante

Hereby we declare

under our sole responsibility that the above mentioned devices meet the applicable provisions of the Directive 98/79/EC as amended on "In Vitro Diagnostic Medical Devices".

All the supporting documents, as required by Annex III, in order to prove conformity to the Essential Requirements as listed in Annex I, are retained under the premises of the Manufacturer

luogo e data
place and date

Arzergrande, 01/01/2015

firma
signature

**Assicuratore Qualità / Quality Manager
Giovanni Chiarin**

Giovanni Chiarin





CERTIFICATO N° 505DM05

CERTIFICATE N° 505DM05

Si certifica che il
this is to certify that

Sistema di Gestione per la Qualità

Quality Management System

messso in atto da
implemented by

NUOVA APTACA S.r.l.

Via Monte Bianco, 4 – IT 20900 MONZA (MB)

nella Sede Operativa di
Operative Unit

Regione Monforte, 30 – IT 14053 CANELLI (AT)

è conforme alla norma
is in compliance with the standard

UNI CEI EN ISO 13485-2016 (ISO 13485-2016)

per i seguenti Processi
concerning the following kinds of Processes

Gestione della fabbricazione e immissione in commercio di tamponi sterili
per il prelievo di campioni biologici in orifizi naturali e in ambito chirurgico.

Progettazione e fabbricazione di dispositivi medico diagnostici per laboratori di analisi.

Commercializzazione di dispositivi medici e diagnostici in vitro.

Management of manufacturing and placing on the market of sterile tampons for sampling of biological specimens in natural orifice and in surgical field. Design and manufacturing of diagnostic medical devices for analysis laboratories.

Marketing of medical and diagnostic devices in vitro.

Il presente Certificato è soggetto al rispetto delle condizioni stabilite dai Regolamenti per la certificazione in vigore applicabili.

This Certificate shall satisfy the requirements established in the Rules for the certification in force applicable.

In caso di discordanza tra le lingue utilizzate nella traduzione del contenuto del presente certificato, fare riferimento alla lingua italiana
In cases of discrepancy between the languages used in the translation of the content of this certificate, please refer to the Italian language.

L'AMMINISTRATORE DELEGATO
MANAGING DIRECTOR

Dr. Ing. Roberto Cusolito

Data di Prima Emissione
First Issue Date
2007-10-30

Data di Prima Emissione ITALCERT
First Issue Date ITALCERT
2011-10-30

Data di Rinnovo
Renewal Date
2017-10-30

Data di Delibera
Deliberation Date
2019-01-04

Data di Scadenza
Expiration Date
2020-10-29



SSQ N° 023A

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





CERTIFICATO N° 505SGQ03

CERTIFICATE N° 505SGQ03

Si certifica che il
this is to certify that

Sistema di Gestione per la Qualità

Quality Management System

messso in atto da
implemented by

NUOVA APTACA S.r.l.

Via Monte Bianco, 4 – IT 20900 MONZA (MB)

nella Sede Operativa di
Operative Unit

Regione Monforte, 30 – IT 14053 CANELLI (AT)

è conforme alla norma
is in compliance with the standard

UNI EN ISO 9001-2015 (ISO 9001-2015)

per i seguenti Processi
concerning the following kinds of Processes

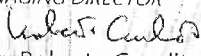
Gestione della fabbricazione ed immissione in commercio di tamponi sterili
per il prelievo di campioni biologici in orifizi naturali e in ambito chirurgico.
Progettazione e fabbricazione di dispositivi medico diagnostici per laboratori di analisi.
Commercializzazione di dispositivi medici e diagnostici in vitro.

Commercializzazione di articoli da laboratorio

*Management of the manufacturing and placing on the market of sterile tampons for sampling of biological specimens
in natural orifice and in surgical field. Design and manufacturing of diagnostic medical devices for laboratories
of analysis. Marketing of medical and diagnostic devices in vitro. Marketing of laboratory articles.*

Il presente Certificato è soggetto al rispetto delle condizioni stabilite dai Regolamenti per la certificazione in vigore applicabili.
This Certificate shall satisfy the requirements established in the Rules for the certification in force applicable.
In caso di discordanza tra le lingue utilizzate nella traduzione del contenuto del presente certificato, fare riferimento alla lingua italiana.
In cases of discrepancy between the languages used in the translation of the content of this certificate, please refer to the Italian language.

L'AMMINISTRATORE DELEGATO
MANAGING DIRECTOR


Dr. Ing. Roberto Cusolito

Data di Prima Emissione
First Issue Date

1998-07-23

Settore IAF 14 - 29

Data di Prima Emissione ITALCERT
First Issue Date ITALCERT

2011-10-30

Data di Rinnovo
Renewal Date

2017-10-30

Data di Scadenza
Expiration Date

2020-10-29



SGQ N° 023A PRD N° 122B
SGA N° 0200 ISP N° 075E
FRS N° 037C
Membro degli Accordi di Mutuo Riconoscimento EA, IAF, ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements





GRAM COLOR KIT

DESCRIPTION

GRAM COLOR KIT is a kit for staining micro-organisms that allows them to be differentiated into two categories: Gram-positives (Gram+), which are coloured blue, and Gram-negatives (Gram-), which are coloured red. Combined with direct observation of the cell morphology, this staining constitutes the first level in the taxonomic classification of prokaryotes.

CONTENT OF THE PACKAGES

The reagents are contained in plastic bottles, sealed by thermo-induction and provided with a dropper lid. Each pack contains:

- 1 bottle containing 250 ml of Crystal Violet Solution
- 1 bottle containing 250 ml of Lugol-PVP Solution
- 1 bottle containing 250 ml of Decolourant Solution
- 1 bottle containing 250 ml of Safranin Solution

PRINCIPLE OF THE METHOD

Gram staining is based on the property of Crystal Violet of combining with iodine to form compounds that cannot be decoloured with alcohol or with an alcohol-acetone mixture. Some bacteria have a special affinity for this reaction and, once stained with crystal violet, do not lose the colour if treated with alcohol or alcohol-acetone mixture, thus retaining the blue colouring (Gram-positive bacteria). Others lose the blue colour and are stained by Safranin, taking a red colour (Gram-negative bacteria).

COLLECTION OF SAMPLES

Samples to be subjected to Gram staining are usually clinical material and microbial cultures. The colonies to be subjected to Gram staining must be taken from young cultures (18-24 hours) preferably on an agar medium.

TEST PROCEDURE

Preparation and fixing

On clean slides, make a smear of the culture or pathological material. Leave to dry in the air and fix by heat, passing rapidly over the flame. Do not overheat the sample when fixing. Other fixing methods may be used.

Staining

1. Cover the slide with the Crystal Violet Solution. Wait 1 minute, then rinse gently with water.
2. Cover the slide with the Lugol-PVP Solution. Wait 1 minute, then rinse delicately with water.
3. Decolour with the Decolourant Solution for as long as the preparation releases colour (about 30-60 seconds), then rinse delicately with water.
4. Cover the slide with the Safranin Solution. Wait 30-60 seconds, then rinse delicately with water.
5. Dry.
6. Examine the preparation under the microscope with the objective for immersion.

INTERPRETATION OF THE RESULTS

The Gram-negative micro-organisms appear as red in colour.

The Gram-positive micro-organisms appear as blue in colour.

The Gram staining makes it possible to distinguish between:

- Gram-negative bacilli from Gram-positive ones;
- Gram-negative cocci from Gram-positive ones;
- Gram-negative coccobacilli from Gram-positive ones;
- Gram-negative diplococci from Gram-positive ones.

QUALITY CONTROL

Each lot of GRAM COLOR KIT is subjected to quality control using a culture of *Escherichia coli* ATCC 25922 for the test for Gram-negative bacteria (red colour) and a culture of *Staphylococcus aureus* ATCC 25923 for the test for Gram-positive bacteria (blue colour).

LIMITS

- Gram staining provides a preliminary identification but does not replace normal cultural studies of the sample.
- Antibiotic therapy may make Gram-positive bacteria more sensitive to decolouration, so that they appear pinkish-red instead of blue.
- Cells taken from young, 18-24 hour cultures have a greater affinity for the stains than cells taken from older cultures.
- Gram staining is altered by the physical destruction of the cell wall or protoplasm. In fact the cell wall of Gram-positive bacteria constitutes a barrier which impedes release of the Crystal Violet-iodine complex from the cytoplasm, and the cell wall of Gram-negative bacteria contains lipids soluble in organic solvents that

permit decolouration of the cytoplasm. Hence, micro-organisms physically destroyed by an excess of heat do not react as expected to the Gram stain test.

PRECAUTIONS

The GRAM COLOR KIT package contains substances classified as hazardous by current legislation. It recommended that the Safety Data Sheets be consulted on their use. GRAM COLOR KIT is a kit for bacteria staining, only for diagnostic use *in vitro*. It is intended for use in a professional environment and must be used in a laboratory by adequately trained personnel using approved asepsis and safety methods for dealing with pathogenic agents.

CONSERVATION

Store GRAM COLOR KIT at 10-25°C in the original packaging. Keep away from sources of heat and avoid excessive changes of temperature. In such conditions the product GRAM COLOR KIT will be valid until the expiry date shown on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration (changes in the colour of the solutions or presence of substantial precipitates).

DISPOSAL OF USED MATERIAL

After use, the slides stained with the GRAM COLOR KIT and any material that has come into contact with the sample must be decontaminated and disposed of in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infected material.

BIBLIOGRAPHY

- Kruczak-Filipov, P., and R.G. Shively. 1992. Gram stain procedure, p.1.5.1-1.5.18. In H.D. Isenberg (ed.) Clinical Microbiology Procedures Handbook, vol. 1. American Society for Microbiology, Washington, D.C.
- Murray, P.R. (ed.) 1999. Manual of Clinical Microbiology, 7th ed. American Society of Microbiology, Washington, D.C.

PRESENTATION

Product	Ref	Content
GRAM COLOR KIT	80293	4 x 250 ml

TABLE OF SYMBOLS

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



Liofilchem®

Via Scozia-Zona industriale - 64026 Roseto degli Abruzzi Tel. +39.085.8930745 - Fax +39.085.8930330
Web site: <http://www.liofilchem.net> E-mail: liofilchem@liofilchem.net

