

Bile Aesculin Azide Agar

Selective medium for detection and enumeration of enterococci in water and other materials, according to ISO 7899-2.

TYPICAL FORMULA	(g/l)
Tryptone	17.0
Peptone	3.0
Yeast Extract	5.0
Ox-bile	10.0
Sodium Chloride	5.0
Aesculin	1.0
Ferric Ammonium Citrate	0.5
Sodium Azide	0.15
Agar	15.0
Final pH 7.1 ± 0.1 at 25°C	

DESCRIPTION

Bile Aesculin Azide Agar is a selective medium used for isolating and enumerating enterococci from environmental samples. This medium complies with ISO 7899-2 for rapid confirmation of typical colonies on the primary isolation Slanetz Bartley Agar.

PRINCIPLE

Tryptone and peptone provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Yeast extract is a source of vitamins, particularly of B-group. Ox-bile inhibits the growth of numerous accompanying bacteria. Sodium chloride maintains the osmotic balance of the medium. The glycoside aesculin is hydrolyzed from enterococci to aesculetin and glucose. The aesculetin reacts with iron ions forming a dark brown or black complex. Sodium azide suppress the growth of Gram-negative bacteria. Agar is the solidifying agent.

PREPARATION

Suspend 56.7 g of powder in 1 liter of deionized or distilled water. Bring to boil and shake until completely dissolved. Mix well. Sterilize in autoclave at 121°C for 15 minutes. Cool up to 45-50°C. Pour in Petri dishes.

TECHNIQUE

ISO 7899-2 recommends to filter the water sample through a filter membrane (0.45 µm pore diameter), transfer the membrane onto a Slanetz Bartley Agar plate (ref. 163462) and incubate aerobically at 36 ± 2°C for 40-48 h.

Confirm red-maroon-pink colonies by transferring the membrane and the colonies onto a plate of Aesculin Azide Bile Agar which has been preheated to 44°C. Incubate at 44 ± 0.5°C for 2 h.

Alternatively, sample can be inoculated by spread plating, pour plating or by direct streaking on the medium surface. Incubate at 35 ± 2°C for 18-24 h.

INTERPRETATION OF RESULTS

Enterococci typically produce colonies showing a tan-black color in the surrounding medium.

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

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

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

DISPOSAL OF WASTE

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

REFERENCES

- ISO 7899-2:2000. Water quality – Detection and enumeration of intestinal enterococci – Part 2: Membrane filtration method.
- Facklam R.R. and M. Moody (1970) Presumptive identification of group D streptococci: the bile-aesculin test. *App. Microbiol.* 20:245-250.
- Isenberg H.D. and D. Goldber (1970) Laboratory studies with a selective Enterococcus medium. *Appl. Microbiol.* 20:433-436
- Slanetz L.W. and C.H. Bartley (1957) Numbers of enterococci in water, sewage and faeces determined by the membrane filtration technique with an improved medium. *J. Bact.* 74:591-595.



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PRODUCT SPECIFICATIONS

NAME

Bile Aesculin Azide Agar

PRESENTATION

Dehydrated medium

STORAGE

10-30°C

PACKAGING

Ref.	Content	Packaging
610001	500 g	500 g of powder in plastic bottle
620001	100 g	100 g of powder in plastic bottle
6100015	5 Kg	5 kg of powder in plastic bottle

pH OF THE MEDIUM

7.1 ± 0.1

USE

Bile Aesculin Azide Agar is a selective medium used for confirmation and enumeration of enterococci from water and other samples according to ISO 7899-2

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Powder medium

Appearance: free-flowing, homogeneous

Colour: beige

Ready-to-use medium

Appearance: slightly opalescent

Colour: dark amber to olive green

SHELF LIFE









4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control
Inoculum for productivity: 50-100 CFU
Inoculum for selectivity: 10⁴-10⁶ CFU
Incubation Conditions: 18-24 h at 35 ± 2°C, in aerobiosis

Microorganism		Growth	Specification
<i>Enterococcus faecalis</i>	ATCC® 19433	Good	Blackening
<i>Enterococcus faecium</i>	ATCC® 19434	Good	Blackening
<i>Escherichia coli</i>	ATCC® 25922	Inhibited	---
<i>Streptococcus pyogenes</i>	ATCC® 19615	Inhibited	---

TABLE OF SYMBOLS

 LOT	Batch code	 Consult instructions for use	 Manufacturer	 Use by
 REF	Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Keep away from sunlight



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Bile Aesculin Azide Agar

Terreno selettivo per la ricerca ed il conteggio degli enterococchi nelle acque ed in altri materiali, secondo ISO 7899-2.

FORMULA TIPICA	(g/l)
Triptone	17.0
Peptone	3.0
Estratto di Lievito	5.0
Bile di Bue	10.0
Sodio Cloruro	5.0
Esculina	1.0
Ferro Ammonio Citrato	0.5
Sodio Azide	0.15
Agar	15.0
pH Finale 7.1 ± 0.1 a 25°C	

DESCRIZIONE

Bile Aesculin Azide Agar è un terreno selettivo utilizzato per l'isolamento ed il conteggio di enterococchi da campioni ambientali.

Questo terreno è conforme ad ISO 7899-2 per la conferma rapida degli enterococchi intestinali dopo l'isolamento su Slanetz Bartley Agar.

PRINCIPIO

Triptone e peptone forniscono aminoacidi, azoto, carbonio, vitamine e minerali per la crescita dei microrganismi. L'estratto di lievito è una fonte di vitamine, soprattutto del gruppo-B. La bile di bue inibisce la crescita della flora batterica contaminante. Il sodio cloruro mantiene il bilancio osmotico del terreno. Il glicoside esculina è idrolizzato dagli enterococchi a esculetina e glucosio. L'esculetina reagisce con gli ioni ferro formando un complesso marrone scuro o nero. Il sodio azide sopprime la crescita dei batteri Gram negativi. L'agar è l'agente solidificante.

PREPARAZIONE

Sospendere 56.7 g di polvere in 1 litro di acqua deionizzata o distillata. Portare ad ebollizione ed agitare fino a completa dissoluzione. Miscelare bene. Sterilizzare a 121°C per 15 minuti. Raffreddare a 45-50°C. Versare in piastre Petri.

TECNICA

La norma ISO 7899-2 raccomanda di filtrare il campione d'acqua attraverso una membrana (pori con diametro di 0.45 µm), trasferire la membrana su una piastra di Slanetz Bartley Agar (ref. 163462) ed incubare a 36 ± 2°C per 40-48 ore in atmosfera aerobica.

Confermare le colonie di colore rosso-marrone-rosa trasferendo la membrana e le colonie su una piastra di Aesculin Azide Bile Aga che è stata preriscaldata a 44°C. Incubare a 44 ± 0.5°C per 2 ore.

In alternativa, il campione può essere inoculato per spatolamento, inclusione o per striscio diretto sulla superficie del terreno. Incubare a 35 ± 2°C per 18-24 ore.

INTERPRETAZIONE DEI RISULTATI

Tipicamente gli enterococchi producono colonie con alone marrone-nero.

CONSERVAZIONE

La polvere è fortemente igroscopica, conservare a 10-30°C, in ambiente asciutto, nel suo contenitore originale chiuso ermeticamente.. Non usare il prodotto dopo la sua data di scadenza indicata sull'etichetta o se il prodotto mostra segni di contaminazione o deterioramento. Conservare le piastre preparate a 2-8°C al riparo dalla luce.

AVVERTENZE E PRECAUZIONI

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

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

SMALTIMENTO DEI RIFIUTI

Lo smaltimento del prodotto deve essere effettuato secondo le vigenti regolamentazioni nazionali e locali.

RIFERIMENTI BIBLIOGRAFICI

1. ISO 7899-2:2000. Water quality – Detection and enumeration of intestinal enterococci – Part 2: Membrane filtration method.
2. Facklam R.R. and M. Moody (1970) Presumptive identification of group D streptococci: the bile-aesculin test. App. Microbiol. 20:245-250.
3. Isenberg H.D. and D. Goldber (1970) Laboratory studies with a selective Enterococcus medium. Appl. Microbiol.20:433-436
4. Slanetz L.W. and C.H. Bartley (1957) Numbers of enterococci in water, sewage and faeces determined by the membrane filtration technique with an improved medium. J. Bact. 74:591-595.



SPECIFICHE DI PRODOTTO

DENOMINAZIONE

Bile Aesculin Azide Agar

PRESENTAZIONE

Terreno disidratato

CONSERVAZIONE

10-30°C

CONFEZIONAMENTO

Ref.	Contenuto	Confezionamento
610001	500 g	500 g in flacone di plastica
620001	100 g	100 g in flacone di plastica
6100015	5 Kg	5 kg in flacone di plastica

pH DEL TERRENO

7.1 ± 0.1

IMPIEGO

Bile Aesculin Azide Agar è un terreno selettivo utilizzato per la conferma ed il conteggio di enterococchi nelle acque ed in altri campioni secondo ISO 7899-2

TECNICA

Fare riferimento alla scheda tecnica del prodotto

ASPETTO DEL TERRENO

Terreno in polvere

Aspetto: omogeneo, fine granulometria

Colore: beige

Terreno pronto all'uso

Aspetto: leggermente opalescente

Colore: da ambra scuro a verde oliva

VALIDITÀ DALLA DATA DI PRODUZIONE


4 anni

CONTROLLO DI QUALITÀ

- Controllo caratteristiche generali, etichettatura e stampa
- Controllo microbiologico
Dimensione dell'inoculo per produttività: 50-100 UFC
Dimensione dell'inoculo per selettività: 10⁴-10⁶ UFC
Condizioni di incubazione: 18-24 h a 35 ± 2°C, in aerobiosi

Microrganismo		Crescita	Specifiche
<i>Enterococcus faecalis</i>	ATCC® 19433	Buona	Annerimento
<i>Enterococcus faecium</i>	ATCC® 19434	Buona	Annerimento
<i>Escherichia coli</i>	ATCC® 25922	Inibita	---
<i>Streptococcus pyogenes</i>	ATCC® 19615	Inibita	---

TABELLA DEI SIMBOLI

 LOT	Numero di lotto	 Consultare le istruzioni per l'uso	 Fabbricante	 Data di scadenza
 REF	Numero di catalogo	 Limiti di temperatura	 Contenuto sufficiente per <n> test	 Tenere al riparo dalla luce del sole



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Peptone Water

Instructions For Use

ENGLISH

Liquid medium for the cultivation of non-fastidious microorganisms, indole testing and carbohydrate fermentation studies.

DESCRIPTION

Peptone Water is a liquid medium used for the cultivation of non-fastidious microorganisms and indole testing. It is also a basal medium to which carbohydrates and indicator may be added for fermentation studies. This medium is not intended for use in the diagnosis of disease or other conditions in humans.

TYPICAL FORMULA*

	(g/litre)
Peptone	10.0
Sodium Chloride	5.0
Final pH 7.2 ± 0.2 at 25°C	

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

METHOD PRINCIPLE

Peptone provides carbon, nitrogen, vitamins and minerals and is rich in tryptophan content. Sodium chloride maintains the osmotic balance of the medium.

PREPARATION

Dehydrated medium Suspend 15.0 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil and shake until completely dissolved. Dispense into final containers. Sterilize in autoclave at 121°C for 15 minutes.

TEST PROCEDURE

To perform indole test, inoculate a tube of Peptone Water preheated to 44°C, using a sampling loop. Incubate at 35 ± 2°C for 24-48 h. Add 2-3 drops of Kovac's Reagent (ref. 80271 / 87001) and examine soon after.

To study the fermentation ability of carbohydrates, add the sugar solution usually at 10% w/v concentration to the basal medium. Phenol red can be used as pH indicator and Durham tube to detect the gas production. Incubate at 35 ± 2°C for 18-24 h.

INTERPRETING RESULTS

Turbidity of the medium indicates microbial growth (compare to an uninoculated control).

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

If phenol red has been included, the medium turns yellow in the case of acidic production, that is carbohydrate utilization.

STORAGE

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

SHELF LIFE

Dehydrated medium: 4 years.

Tubes/Bottles: 2 years.

QUALITY CONTROL

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

Appearance of Prepared Medium: Clear to very slightly opalescent, light amber.

Expected Cultural Response:

Strain	Inoculum	Incubation	Growth	Indole test	Lactose test
<i>Escherichia coli</i>	ATCC 25922	≤100 CFU	18-48 h 35 ± 2°C	Good	Positive
<i>Salmonella</i> Typhimurium	ATCC 14028				Negative

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

WARNING AND PRECAUTIONS

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

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

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

See the references at the end of this document.

TABLE OF SYMBOLS

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

The product is available in the various configurations listed below. There may be additional product ref. numbers as well. For an updated listing of available products, visit liofilchem.com

Product	Format	Packaging	Ref.
Peptone Water	Tube	20 x 10 ml	24098
Peptone Water	Bottle	25 x 90 ml	452640
Peptone Water	Bottle	6 x 100 ml	402130
Peptone Water	Bottle (perforable cap)	6 x 100 ml	402530
Peptone Water	Bottle	6 x 500 ml	470320
Peptone Water	Dehydrated medium	500 g of powder	610038
Peptone Water	Dehydrated medium	100 g of powder	620038

This document is available from the online Support Center:

liofilchem.com/ifu-sds



Peptone Water

Terreno liquido per la coltivazione di microrganismi non esigenti, test dell'indolo a studi di fermentazione dei carboidrati.

Istruzioni per l'uso

ITALIANO

DESCRIZIONE

Peptone Water è un terreno liquido utilizzato per la coltivazione di microrganismi non esigenti e per il test dell'indolo. Esso è anche un terreno di base al quale possono essere aggiunti carboidrati ed un indicatore per studi di fermentazione. Questo terreno non è destinato all'uso nella diagnosi di malattie o altre condizioni nell'uomo.

FORMULA TIPICA*

(g/litro)

Peptone	10.0
Sodio Cloruro	5.0

pH Finale 7.2 ± 0.2 a 25°C

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

PRINCIPIO DEL METODO

Il peptone fornisce carbonio, azoto, vitamine e minerali ed è ricco in triptofano. Il sodio cloruro mantiene il bilancio osmotico del terreno.

PREPARAZIONE

<u>Terreno disidratato</u>	Sospendere 15.0 g di polvere in 1 litro di acqua distillata o deionizzata sterile. Mescolare bene. Riscaldare agitando di frequente e bollire fino a completa dissoluzione. Distribuire nei contenitori finali. Sterilizzare in autoclave a 121°C per 15 minuti.
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PROCEDURA DEL TEST

Per effettuare il test dell'indolo, inoculare una provetta di Peptone Water preriscaldata a 44°C , utilizzando un'ansa per campionamento. Incubare a $35 \pm 2^{\circ}\text{C}$ per 24-48 ore. Aggiungere 2-3 gocce di Kovac's Reagent (ref. 80271 / 87001) ed esaminare subito dopo.

Per studiare la capacità di fermentazione dei carboidrati, aggiungere la soluzione zuccherina di solito concentrata al 10% p/v al terreno base. Il rosso fenolo può essere utilizzato come indicatore di pH ed una campanella di Durham per rilevare la produzione di gas. Incubare a $35 \pm 2^{\circ}\text{C}$ per 18-24 ore.

INTERPRETAZIONE DEI RISULTATI

La crescita microbica è indicata dalla torbidità del terreno (in confronto ad un controllo non inoculato).

La colorazione da rosso a viola ("anello rosso ciliegia") dello strato di reagente sulla superficie del terreno entro 30 secondi indica una reazione positiva per la produzione di indolo. Una reazione negativa non evidenzia alcun sviluppo di colore.

Se è stato incluso il rosso fenolo, l'indicatore vira al giallo se c'è produzione di acido, ovvero in caso di utilizzazione di carboidrati.

CONSERVAZIONE

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

VALIDITÀ

Terreno disidratato: 4 anni.

Terreno in provette/flaconi: 2 anni.

CONTROLLO DI QUALITÀ

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

Aspetto del Terreno Preparato: Ambra chiaro, da limpido a leggermente opalescente.

Risultati Attesi dei Test Microbiologici:

Ceppo di controllo		Inoculo	Incubazione	Crescita	Test Indolo	Test Lattosio
<i>Escherichia coli</i>	ATCC 25922	≤100 CFU	18-48 h 35 ± 2°C	Buona	Positivo	Positivo
<i>Salmonella Typhimurium</i>	ATCC 14028				Negativo	Negativo

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

AVVERTENZE E PRECAUZIONI

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

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

SMALTIMENTO DEI RIFIUTI

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

BIBLIOGRAFIA

Vedere i riferimenti alla fine di questo documento.

TABELLA DEI SIMBOLI

Vedere la tabella dei simboli alla fine di questo documento.

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











Questo documento è disponibile dal Support Center online:

liofilchem.com/ifu-sds

BIBLIOGRAPHY / BIBLIOGRAFIA

1. Falkow (1958) Am. J. Clin. Pathol., 29:598.
2. Eaton A. D., Clesceri L. S., Rice E. W. and Greenberg A. W., (Eds.) (2005) Standard Methods for the Examination of Water and Wastewater, 21st Ed., APHA, Washington, D.C.
3. FDA Bacteriological Analytical Manual (2005) 18th Ed., AOAC, Washington, DC.

TABLE OF SYMBOLS / TABELLA DEI SIMBOLI

	Batch code / Codice del lotto
	Catalogue number / Numero di catalogo
	Manufacturer / Fabbricante
	Use by / Utilizzare entro
	Fragile, handle with care / Fragile, maneggiare con cura
	Temperature limitation / Limiti di temperatura
	Contains sufficient for <n> tests / Contenuto sufficiente per <n> saggi
	Consult Instruction For Use / Consultare le istruzioni per l'uso
	Do not reuse / Non riutilizzare
	Keep away from light / Tenere al riparo dalla luce



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Tryptic Soy Broth Casein Soya Bean Digest Broth

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

DESCRIPTION

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

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

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

TYPICAL FORMULA

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

METHOD PRINCIPLE

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

PREPARATION

Dehydrated medium Suspend 30 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes.

TEST PROCEDURE

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

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

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

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

For all applications notice that:

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

INTERPRETING RESULTS

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

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

APPEARANCE

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

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

STORAGE

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

SHELF LIFE

Dehydrated medium: 4 years.

Medium in bottles/tubes: 2 years.

QUALITY CONTROL

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

Inoculum for productivity: ≤ 100 CFU.

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

QC Table.

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

*CLSI recommended organisms

WARNING AND PRECAUTIONS

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

DISPOSAL OF WASTE

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








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2. United States Pharmacopeial Convention (2014) The United States Pharmacopeia 38/National Formulation 33, Supp. 2. Chapter <61> Microbiological examination of non-sterile products: Microbial enumeration tests and Chapter <62> Microbiological examination of non-sterile products: Test for specified products. Chapter <71> Sterility Tests. Rockville, Md., USA.
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6. Pharmaceutical Inspection Convention Co-operation Scheme (PIC/S). Recommendation on the Validation of Aseptic Processes (2011) Revision 6.
7. CLSI. Performance Standards for Antimicrobial Disk Susceptibility Tests; Approved Standard - Tenth Edition. CLSI document M02-A10. Wayne, PA: Clinical and Laboratory Standards Institute; 2009.
8. FDA (2004) Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing – Current Good Manufacturing Practice.

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

TABLE OF SYMBOLS

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



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Tryptic Soy Broth Casein Soya Bean Digest Broth

Terreno liquido per per l'isolamento e la coltivazione di un'ampia varietà di microrganismi, secondo USP/EP/JP.

DESCRIZIONE

Tryptic Soy Broth (TSB) è un terreno nutritivo utilizzato per la ricerca, l'isolamento e la coltivazione di microrganismi esigenti e non esigenti incluso batteri e funghi da campioni clinici, fonti ambientali ed altri materiali.

Questo terreno soddisfa i requisiti del metodo armonizzato nelle Farmacopee Statunitense (USP), Europea (EP) e Giapponese (JP) per i test di sterilità e l'esame microbiologico dei prodotti non sterili. È raccomandato dal Clinical and Laboratory Standards Institute (CLSI) per la preparazione dell'inoculo nei test di sensibilità agli antibiotici.

TSB è anche disponibile in bottiglie confezionate con triplo involucro e sterilizzate ai raggi gamma, particolarmente adatte per l'impiego nelle aree microbiologicamente controllate e per la simulazione dei processi aseptici (media fill) nelle industrie farmaceutiche.

FORMULA TIPICA (g/l)

Digerito Pancreatico di Caseina	17.0
Digerito Papaico di Farina di Soia	3.0
Sodio Cloruro	5.0
Dipotassio Idrogeno Fosfato	2.5
Glucosio Monoidrato	2.5
pH Finale 7.3 ± 0.2 a 25°C	

PRINCIPIO DEL METODO

Digerito pancreatico di caseina e digerito papaico di farina di soia forniscono aminoacidi, azoto, carbonio, vitamine e minerali per la crescita dei microrganismi. Il sodio cloruro mantiene il bilancio osmotico del terreno. Il dipotassio fosfato è l'agente tamponante. Il glucosio è una fonte di energia.

PREPARAZIONE

Terreno disidratato Sospendere 30 g di polvere in 1 litro di acqua distillata o deionizzata sterile. Mescolare bene. Riscaldare agitando di frequente e bollire fino a completa dissoluzione. Sterilizzare in autoclave a 121°C per 15 minuti.

PROCEDURA DEL TEST

Per l'uso in microbiologia clinica, inoculare il TSB direttamente con il campione o con un piccola quantità della crescita da una coltura fresca su terreno solido. Di norma il terreno viene incubato a 35 ± 2°C per 18-24 ore.

Per l'uso in microbiologia industriale, inoculare il campione o il materiale da testare nel terreno. Incubare in atmosfera appropriata a 30-35°C per 18-72 ore (per i batteri) ed a 20-25°C per un massimo di 5 giorni (per i funghi).

Per i test di sterilità, il metodo di inoculo dipende dalla tipologia e dalle dimensioni del materiale da esaminare. Se viene eseguita la filtrazione su membrana, può essere utilizzato un diluente adatto come ad esempio Fluid A (ref. 400010). Per l'inoculo diretto, si raccomanda di ottenere come minimo una diluizione 1:10 del campione nel terreno di coltura. Incubare a 20-25°C per 14 giorni.

Per i Media Fill test nei processi produttivi farmaceutici, sono utilizzate due temperature di incubazione. L'incubazione iniziale a 20-25°C per 7 giorni, e di seguito a 30-35°C per ulteriori 7 giorni.

Qualunque sia l'applicazione bisogna notare che:

- è importante fornire una sufficiente aerazione durante l'incubazione svitando leggermente i tappi;
- si dovrebbe utilizzare Fluid Thioglycollate Medium (ref. 24124) per la coltivazione degli anaerobi obbligati.

INTERPRETAZIONE DEI RISULTATI

La presenza di torbidità o la formazione di una pellicola, rispetto ad un controllo non inoculato, sono indice di crescita microbica. Sub-coltivare su terreni solidi adatti per l'identificazione completa delle colonie isolate.

Se il materiale investigato rende di per se il terreno torbido ed alla fine del periodo di incubazione non è possibile l'esame visivo, sub-coltivare in TSB fresco o su terreni solidi appropriati per assicurarsi che la torbidità sia causata solo dal campione e non sia il risultato della moltiplicazione microbica.

ASPETTO

Terreno disidratato: omogeneo, fine granulometria, beige chiaro.

Terreno preparato: da ambra chiaro ad ambra, da limpido a leggermente opalescente.

CONSERVAZIONE

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

VALIDITÀ

Terreno disidratato: 4 anni.

Terreno in flaconi/provette: 2 anni.

CONTROLLO DI QUALITÀ

Il terreno viene inoculato con i ceppi microbici indicati nella tabella CQ.

Inoculo per produttività: ≤100 UFC.

Condizioni di incubazione: batteri a 32.5 ± 2.5°C per 18-24 ore e fino a 72 ore (*Clostridium*)
lieviti e muffe a 22.5 ± 2.5°C fino a 5 giorni.

Tabella CQ.

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

*Microrganismi raccomandati da CLSI

AVVERTENZE E PRECAUZIONI

Il prodotto non contiene sostanza nocive in concentrazioni superiori ai limiti fissati dall'attuale legislazione e perciò non è classificato come pericoloso. Ciononostante si raccomanda di consultare la scheda di sicurezza per il suo corretto uso. Il prodotto è da intendersi per uso diagnostico *in vitro* e deve essere utilizzato esclusivamente da operatori adeguatamente addestrati.

SMALTIMENTO DEI RIFIUTI

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








BIBLIOGRAFIA

1. CLSI. Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically; Approved Standard - Tenth Edition. CLSI document M07-A10. Wayne, PA: Clinical and Laboratory Standards Institute; 2015.
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PRESENTAZIONE		Contenuto	Ref.
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Tryptic Soy Broth	Provette	Provette 20 x 9 ml	24469
Tryptic Soy Broth	Provette	Provette 20 x 10 ml	24513
Tryptic Soy Broth	Provette	Provette 100 x 10 ml	26513
Tryptic Soy Broth	Provette	Provette 10 x 15 ml	20129
Tryptic Soy Broth	Flaconi	Flaconi 6 x 100 ml (tappo flip-off)	400030
Tryptic Soy Broth	Flaconi	Flaconi 6 x 100 ml (tappo a vite)	452080
Tryptic Soy Broth	Flaconi (triplo involucro ed irradiati con raggi gamma)	Flaconi 6 x 100 ml (tappo a vite)	452080S
Tryptic Soy Broth	Flaconi	Flaconi 6 x 100 ml (tappo a ghiera)	495010
Tryptic Soy Broth	Flaconi	Flaconi 25 x 100 ml (tappo flip-off)	453030
Tryptic Soy Broth	Flaconi	Flaconi 25 x 100 ml (tappo a vite)	455208
Tryptic Soy Broth	Flaconi	Flaconi 6 x 200 ml (tappo a vite)	442080
Tryptic Soy Broth	Flaconi	Flaconi 6 x 225 ml (tappo a vite)	432080
Tryptic Soy Broth	Flaconi	Flaconi 6 x 500 ml (tappo a vite)	470370
Tryptic Soy Broth	Terreno disidratato	500 g di polvere	610053
Tryptic Soy Broth	Terreno disidratato	100 g di polvere	620053
Tryptic Soy Broth	Terreno disidratato	5 kg di polvere	6100535

TABELLA DEI SIMBOLI

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



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Microbiology Products

Roseto degli Abruzzi, 02.09.2024

To Whom it May Concern

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

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



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Microbiology Products

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



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Microbiology Product

Ref.	Description
11199	Potato Dextrose Agar
11210	m-Faecal Coliform Agar
11230	Listeria Aesculin Agar
11503	MacConkey Agar w/o Crystal Violet
11510	Mueller Hinton Agar +2% Glucose + Methylene Blue
11512	Nutrient Agar ISO 21528
11513	Nutrient Agar ISO 6579
11517	Columbia Agar (Sheep Blood 5%) + Vancomycin
11518	Mueller Hinton Agar + Cloxacillin
11613	Chromatic Coli Coliform
11623	Enterobacter (Cronobacter) sakazakii Isolation Agar
11624	Chromatic ESBL V.C.
11625	Chromatic ESBL V.E.
11626	Chromatic ESBL V.
11628	Chromatic Bacillus cereus
11630	Chromatic Coliform Agar ISO
11635	Chromatic Pseudomonas
11636	Chromatic Cronobacter Isolation Agar
11641	Chromatic Super CAZ/AVI
15203S	Tryptic Soy Agar + Neutralizing (Irradiated) lockable
15204S	Sabouraud Dextrose Agar + Neutralizing (Irradiated) lockable
15205	DG18 Agar + Neutralizing
15323S	Sabouraud Dextrose Agar + Neutralizing (Irradiated)
15325	Plate Count Agar
15326	Violet Red Bile Lactose Agar
15327	Sabouraud Dextrose Agar
15327S	Sabouraud Dextrose Agar (Irradiated)
15328	Mannitol Salt Agar
15329	MacConkey Agar
15330	Tryptic Soy Agar + 0,1% Penase + Neutralizing
15330S	Tryptic Soy Agar + 0.1% Penase + Neutralizing (Irradiated)
15331	Baird Parker Agar + Neutralizing
15332	Cetrimide Agar
15333S	Sabouraud Dextrose Agar + 0.1% Penase + Neutralizing (Irradiated)
15334	Legionella BCYE Agar
15336	Plate Count Agar + Neutralizing
15336S	Plate Count Agar + Neutralizing (Irradiated)
15339KS	Tryptic Soy Agar + Neutralizing (Irradiated)
15339S	Tryptic Soy Agar + Neutralizing (Irradiated)
15340S	Tryptic Soy Agar (Irradiated)
15341S	Tryptic Soy Agar + Lactamator 500 IU + Neutralizing (Irradiated)
15345S	Sabouraud Dextrose Agar + Lactamator 500 IU + Neutralizing (Irradiated)
15346	Chromatic Coliform Agar ISO
15354	R2A Agar
15360	Plate Count Agar+TTC+Neutralizing
15361	Violet Red Bile Lactose Agar + Neutralizing
15362	Slanetz Bartley Agar + Neutralizing
15365	Sabouraud CAF Agar + Neutralizing
15365S	Sabouraud CAF Agar + Neutralizing (Irradiated)
15368	m-Faecal Coliform Agar
15374	Rose Bengal CAF Agar
15375	Violet Red Bile Glucose Agar
15376	Legionella Agar (GVPC)
15380S	Sabouraud CAF Agar (Irradiated)
15382	Violet Red Bile Glucose Agar + Neutralizing
15385	Rose Bengal CAF Agar + Neutralizing



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiologic Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiology Products

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



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Microbiologia Pratica

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



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Microbiology Products

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



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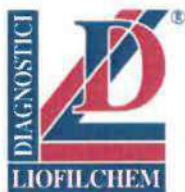
Microbiology Products

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



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Microbiology Products

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



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Liofilchem®

Microbiology Products

Ref.	Description
9999	BLANK DISCS
9999/2	Blank Discs

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

Dr. Silvio Brocco,

LIOFILCHEM S.r.l. *Executive Officer*

BACTERIOLOGY PRODUCTS
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