

MOLTOX[®]

Molecular Toxicology, Inc.



Bacteriological Media

MOLTOX[®]

Molecular Toxicology, Inc.



CELEBRATING
40 YEARS

Founded in 1986, **MOLTOX®** is a leading manufacturer of prepared bacteriological media including nutrient, selective and enrichment media used in industrial, environmental and molecular microbiology. **MOLTOX®** observes the highest standards in the production and packaging of prepared media.

MOLTOX® media are manufactured with the best materials:

Petri dishes are made from high-quality polystyrene, offering excellent optical clarity, dimensional uniformity, and stable stacking.

Many different containers, including PETG, PET, natural polypropylene, and polycarbonate containers with PTFE or white rubber closure liners, are used. All containers are noncontaminating.

Prepared media are made using industry-standard formulations and sourced from top-quality, reputable vendors.

Each lot of media is tested for sterility and its ability to support the growth of the appropriate microorganism, when applicable.

All media are accompanied by GLP-compliant formulation and QC certificates.

The **MOLTOX®** production facility is equipped with modern manufacturing equipment, including:

On-LineEngineering™ plate pouring machines

Automated media preparators

Automated bottle and tube filling assemblies



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MOLTOX[®]

Molecular Toxicology, Inc.

TERMS

Terms are Net 30 for approved account holders. Payment in USD only; drafts drawn against US banks. Please contact our office for wire transfer instructions. Expenses pursuant to international monetary transactions are the responsibility of the buyer. Additional shipping and processing charges may apply.

PRODUCTS

All MOLTOX[®] products are manufactured for research purposes only. Please visit our website at www.MOLTOX.com for a full list of products.

ORDERING

Orders are processed, manufactured and shipped in the order they are received, based on raw material availability and scheduling requirements. Ship dates on Sales Order confirmations are estimates only. MOLTOX[®] reserves the right to change any ship date based on weather, raw materials, manufacturing conditions, storage conditions, etc., without penalty. Allow 24 hours for processing orders in the US and 48 hours for international orders. For more information, email sales@MOLTOX.com and for a list of distributors and website links, please visit www.MOLTOX.com

SHIPPING

Freight: Freight is Prepay & Add to invoice, CIF from Boone, NC. All orders requested to ship on collect accounts are FOB Boone, NC. For International Orders, additional packaging charges apply to dry ice and blue ice shipments. Shipping methods are based on transit time, storage conditions, and viability of the product. MOLTOX[®] reserves the option to change any shipment to 2nd day delivery or reconfigure standard packaging scenarios based on weather, storage temperature, transit time, etc., to ensure optimal delivery of goods. All dry ice shipments ship Overnight Priority.

Hazardous Goods: MOLTOX[®] is fully compliant with the packaging provisions set forth by sections 2.6.5 and 2.6.6 of the IATA Dangerous Goods Regulations and the US DOT CFR 173.4 & 173.4b of the Electronic Code of Federal Regulations. As a result, a Hazardous Goods Handling fee of \$25 will be imposed on all International orders for those goods that fall under these regulations outlined in IATA 2.6 Dangerous Goods in Excepted Quantities.

Returns/Replacements/Credits: All made-to-order or non-restockable items are non-returnable. Any returns must be authorized by MOLTOX[®] and shipped at the expense of returnee. Freight damage must be reported within 7 days of receipt. All packaging must be kept for freight company inspection and photos of the packaging and damaged product must be obtained and sent to MOLTOX[®] for claims processing. Product functionality and/or quality issues must be made known to MOLTOX[®] as soon as possible for credit and/or replacement authorization. Products suspected or known to have been stored, used, or implemented improperly are not subject to replacement or credit.

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INTL: 001.828.264.9099

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Prepared Culture Media

MOLTOX® prepared bacteriological media includes nutrient, selective and enrichment media used in industrial, environmental and molecular microbiology. Each lot of media is tested for sterility, where applicable, and its ability to support the growth of the appropriate microorganism. All media are accompanied by GLP-compliant formulations and Quality Control certificates.



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PREPARED AGARS





Bacmid Selection Plates

LB Agar, Lennox plates supplemented with Gentamicin, Kanamycin, Tetracycline, Bluo-gal and IPTG are used for transformation of recombinant Bacmid DNA.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S125	Bacmid Selection Plates	---	30 ml	100 mm plate	10 /sleeve	Refrigerate

Bile Esculin Azide Agar

Also known as Enterococcosel Agar, this medium is used as a rapid selective medium for the detection and enumeration of enterococci.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S006	Bile Esculin Azide Agar	---	20 ml	100 mm plate	10 /sleeve	Refrigerate
21-40S83	Enterococcosel (BEA) Agar	---	20 ml	100 mm plate	20 /sleeve	Room Temp

Bismuth Sulfite Agar

Bismuth Sulfite Agar is a highly selective medium used for the isolation of *Salmonella* species, particularly *Salmonella typhi* in various types of samples including food, water and sewage. This product is not autoclaved in order to maintain its selective properties. This product is also light sensitive and must be protected from light.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S007	Bismuth Sulfite Agar	---	20 ml	100 mm plate	10 /sleeve	Refrigerate/ Dark
21-40S73	Bismuth Sulfite/ Brilliant Green/ XLD Agar	Tri Plates	8ml/sector	Tri plate	10 /sleeve	Refrigerate/ Dark

Blood Agar

Blood Agar is used to cultivate, isolate and detect hemolytic activity of streptococci and other fastidious microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S005	Blood Agar	w/ 5% Sheep's Blood	20 ml	100 mm plate	10 /sleeve	Refrigerate
51-40S105	Blood Agar	w/ 5% Horse Blood	20 ml	100 mm plate	10 /sleeve	Refrigerate

Brain Heart Infusion Agar

Also known as BHI, Brain Heart Infusion Agar is a general purpose media used for the cultivation of fastidious and nonfastidious microorganisms. This includes aerobic and anaerobic bacteria.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-532	Brain Heart Infusion Agar	w/ Hemin & NAD	100 ml	Glass bottle	1 each	Refrigerate/ Dark
21-40S62	Brain Heart Infusion Agar	---	20 ml	100 mm plate	20 /sleeve	Room Temp
21-40S66	Brain Heart Infusion Agar	3 Day Dry	28 ml	100 mm plate	20 /sleeve	Room Temp
21-40S85	Brain Heart Infusion Agar	w/ 5% Sheep's Blood	20 ml	100 mm plate	20 /sleeve	Refrigerate

Brilliant Green Agar

Brilliant Green Agar is a highly selective medium for the isolation of Salmonella other than *S. typhi* from materials such as feces. It is used in procedures for the examination of water and wastewater as well as for use in the performance of Microbial Limit Tests.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S015	Brilliant Green Agar	---	20 ml	100 mm plate	10 /sleeve	Refrigerate
21-40S45	Brilliant Green Agar	w/ Novobiocin	25 ml	100 mm plate	20 /sleeve	Refrigerate
21-40S86	Brilliant Green/ XLD Agar	Bi Plates	10 ml/ sector	Bi plate	10 /sleeve	Refrigerate
21-40S73	Bismuth Sulfite/ Brilliant Green/ XLD Agar	Tri Plates	8 ml/ sector	Tri plate	20 /sleeve	Refrigerate/ Dark

Bushnell-Haas Agar

Bushnell-Haas Broth with the addition of 1.5% Noble Agar, is a plated medium used to evaluate the ability of a microorganism to decompose hydrocarbons. This agar is particularly useful in the examination of fuels.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S172	Bushnell-Haas Medium	w/ 1.5% Noble Agar	20 ml	100 mm plate	10/ sleeve	Room Temp

Casein Agar

Casein Agar is used as a differentiation media of *Nocardia* species and also to distinguish *Nocardia* from *Streptomyces*, which appear similar in morphology, based on enzymatic hydrolysis of casein.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S189	Casein Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate

Cetrimide Agar

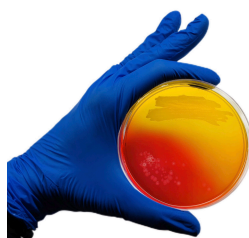
Also known as Pseudosel Agar, Cetrimide Agar is used as a selective isolation and identification media for *Pseudomonas aeruginosa*.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S78	Cetrimide/Mannitol Salt/MacConkey Agar	Tri Plates	8 ml/sector	Tri plate	10/ sleeve	Refrigerate
21-40S94	<i>Pseudomonas</i> F/ <i>Pseudomonas</i> P/ Cetrimide Agar	Tri Plates	10 ml/sector	Tri plate	10/ sleeve	Refrigerate
51-40S014	Cetrimide Agar	---	25 ml	100 mm plate	10/ sleeve	Refrigerate

Columbia Agar

This general purpose medium is used for the isolation and cultivation of fastidious and nonfastidious microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S111	Columbia Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp



Dextrose Starch Agar

Dextrose Starch Agar is used for cultivating fastidious microorganisms, primarily *Neisseria gonorrhoeae* as a pure culture.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S021	Dextrose Starch Agar	---	20 ml	100 mm	10/sleeve	Room Temp

EMB (Eosin Methylene Blue) Agar

Eosin Methylene Blue Agar (EMB), Levine is a slightly selective and differential plating medium for the isolation of gram-negative bacteria.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S87	Eosin Methylene Blue Agar (EMB), Levine	---	20 ml	100 mm plate	20/sleeve	Refrigerate/ DARK

Esculin Agar

Esculin Agar is a differential medium used for the identification and differentiation of a microorganism by establishing esculin hydrolysis.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S193	Esculin Agar	---	20 ml	100 mm plate	20/sleeve	Refrigerate

Heart Infusion Agar

Heart Infusion Agar is a general purpose medium used for the cultivation of a wide variety of fastidious microorganisms and specifically for the isolation of *Vibrio* species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S142	Heart Infusion Agar	w/ Congo Red & D-galactose	20 ml	100 mm plate	20/sleeve	Refrigerate



Hektoen Enteric Agar

Hektoen Enteric Agar is a fairly selective medium used for the isolation and cultivation of gram-negative enteric microorganisms, particularly *Shigella*.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S008	Hektoen Enteric Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate/ Dark

Hypoxanthine Agar

Hypoxanthine Agar is used for the cultivation and differentiation of *Actinomyces* and other bacteria that can hydrolyze hypoxanthine.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S190	Hypoxanthine Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate



Lactobacilli MRS Agar

Lactobacilli MRS Agar is used in the isolation, enumeration and cultivation of the *Lactobacillus* species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S071.047	Lactobacilli MRS Agar	---	500 ml	Glass Bottle	1 each	Refrigerate
51-40S020.140	Lactobacilli MRS Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate



LB Agar, Miller

LB Agar, Miller, also referred to as Luria-Bertani Agar, is a widely used medium in molecular biology applications for maintaining and propagating *E. coli*. LB Agar, Miller contains twice the amount of sodium chloride as that of the Lennox formulation which allows for the researcher to be selective of the salt content when working with a specific strain.

MOLTOX® offers a wide variety of LB Agar, Miller plates with the addition of several different types and concentrations of antibiotics to provide a more selective medium for recombinant cells with a specific antibiotic resistance.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S31	LB Agar, Miller	25 µg/ ml Kanamycin	20 ml	100 mm plate	20/ sleeve	Refrigerate
21-40S96	LB Agar, Miller	100 µg/ ml Ampicillin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S97.140	LB Agar, Miller	50 µg/ ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S98.140	LB Agar, Miller	100 µg/ ml Carbenicillin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S99.140	LB Agar, Miller	100 µg/ ml Ampicillin, 119 µg/ ml IPTG & 80 µg/ ml X-Gal	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S194	LB Agar, Miller	100 µg/ ml Ampicillin	30 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S30	LB Agar, Miller	---	20 ml	100 mm plate	20/ sleeve	Refrigerate
21-40S102	LB Agar, Miller	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

LB Agar, Lennox L

LB Agar, Lennox L, also referred to as Luria-Bertani Agar, is a widely used medium in molecular biology applications for maintaining and cultivating recombinant strains of *E. coli*. LB Agar, Lennox contains half the amount of sodium chloride as that of the Miller formulation which allows for the researcher to be selective of the salt content when working with a specific strain. **MOLTOX®** offers a wide variety of LB Agar, Lennox plates with the addition of several different types and concentrations of antibiotics to provide a more selective medium for recombinant cells with a specific antibiotic resistance.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S150	LB Agar, Lennox L	100 µg/ ml Ampicillin & 12.5 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S133	LB Agar, Lennox L	20 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate

LB Agar, Lennox L (Continued)

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S117	LB Agar, Lennox L	20 µg/ ml Tetracycline	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S116	LB Agar, Lennox L	5 µg/ ml Tetracycline	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S114	LB Agar, Lennox L	40 µg/ ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S088	LB Agar, Lennox L	40 µg/ ml Spectinomycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S318	LB Agar, Lennox L	10 µg/ ml Tetracycline	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S317	LB Agar, Lennox L	50 µg/ ml Hygromycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S231.140	LB Agar, Lennox L	100 µg/ ml Ampicillin & 25 µg/ ml Spectinomycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S228.140	LB Agar, Lennox L	25 µg/ ml Spectinomycin & 25 µg/ ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S175	LB Agar, Lennox L	100 µg/ ml Carbenicillin & 12.5 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S152	LB Agar, Lennox L	100 µg/ ml Hygromycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S143	LB Agar, Lennox L	w/ Glycerol	20 ml	100 mm plate	10/ sleeve	Room Temp
21-40S136	LB Agar, Lennox L	75 µg/ ml Hygromycin & 12.5 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S134	LB Agar, Lennox L	100 µg/ ml Ampicillin & 25 µg/ ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S130	LB Agar, Lennox L	100 µg/ ml Ampicillin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S124	LB Agar, Lennox L	100 µg/ ml Carbenicillin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S123.140	LB Agar, Lennox L	12.5 µg/ ml Zeocin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S119.140	LB Agar, Lennox L	25 µg/ ml Spectinomycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S117	LB Agar, Lennox L	25 µg/ ml Kanamycin & 12.5 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate

LB Agar, Lennox L (Continued)

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S116.140	LB Agar, Lennox L	25 µg/ ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S115	LB Agar, Lennox L	12.5 µg/ ml Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S075	LB Agar, Lennox L	---	20 ml	100 mm plate	10/ sleeve	Refrigerate



Lethen Agar

Used to determine the antimicrobial activity in quaternary ammonium compounds, primarily when evaluating disinfectants, germicides and cosmetics.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S028	Lethen Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

L-Tyrosine Agar

Tyrosine Agar is used for the differentiation of *Nocardia* species based on tyrosine hydrolysis.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S191	L-Tyrosine Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate

mEI Agar

mEI Agar is a selective, chromogenic culture medium used for the detection and enumeration of enterococci in water via one-step membrane filtration technique.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S203	mEI Agar	---	10-12 ml	60 mm plate	10/ sleeve	Refrigerate/ Dark
21-40S316	mEI Agar	---	10-12 ml	60 mm plate	20/ sleeve	Refrigerate/ Dark

m Endo Agar

m Endo Agar, LES is used for enumerating coliforms in water by membrane filtration technique.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S204	m Endo Agar, LES	---	8 ml	50 mm plate	10/ sleeve	Refrigerate/ Dark
21-40S218	m Endo Agar, LES	---	10-12 ml	60 mm plate	10/ sleeve	Refrigerate/ Dark
21-40S80	m Endo Agar, LES	---	20 ml	100 mm plate	10/ sleeve	Refrigerate/ Dark



MacConkey Agar

Used for the detection and isolation of gram-negative organisms and for isolating and differentiating lactose fermenting from lactose-nonfermenting enteric bacilli.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S78	Cetrimide/Mannitol Salt/MacConkey Agar	Tri Plates	8 ml/sector	Tri Plate	10/ sleeve	Room Temp
51-40S038	MacConkey Agar	10 µg/ ml Nalidixic Acid	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S012.140	MacConkey Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp

Malt Extract Agar

Malt Extract Agar is most commonly used for the propagation of yeasts and molds. Other uses include isolation, cultivation and the enumeration of yeasts and molds.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S60	Malt Extract Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate



Mannitol Salt Agar

Mannitol Salt Agar is a selective isolation and an enumerating agar for *Staphylococcus*. It also aids in the differentiation of staphylococcal species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S78	Cetrimide/Mannitol Salt/MacConkey Agar	Tri Plates	8 ml/ sector	Tri Plate	10/ sleeve	Room Temp
21-40S64.141	Mannitol Salt Agar	---	20 ml	100 mm plate	20/ sleeve	Room Temp
51-40S010	Mannitol Salt Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp

m-Enterococcus Agar

m-Enterococcus Agar, also known as m Azide Agar, is a selective medium used in membrane filtration or plate pour technique for isolating and enumerating enterococci in water.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S009	m-Enterococcus Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate/ Dark

mFC Agar

mFC Agar is used with Rosolic Acid to cultivate and enumerate fecal coliforms via membrane filtration technique at elevated temperatures.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S206.140	mFC Agar	---	7-8 ml	50 mm plate	10/ sleeve	Refrigerate

Middlebrook 7H10 Agar

Middlebrook 7H10 Agar is used in conjunction with OADC Enrichment for the isolation and cultivation of Mycobacteria.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S67.141	Middlebrook 7H10 Agar	w/ OADC Enrichment	8 ml/sector	100 mm plate	20/ sleeve	Refrigerate
21-40S234	Middlebrook 7H10 Agar	w/ OADC Enrichment	8 ml/ sector	Tri Plate	20/ sleeve	Refrigerate
22-105	Middlebrook 7H10 Agar	w/ OADC Slant	10 ml	Glass Tube	10 tubes/ box	Refrigerate

Mitis Salivarius Agar

Mitis Salivarius Agar is used in conjunction with 1% Tellurite solution for isolating *Streptococcus mitis*, *S. salivarius* and enterococci from contaminated specimens. These organisms are commonly found in the flora of the oral cavity.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S013	Mitis Salivarius Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate



Mueller Hinton Agar

Mueller Hinton Agar is used in antimicrobial disc susceptibility testing as well as for cultivating a wide variety of microorganisms. This media is designed to contain low levels of thymine and thymidine as well as controlled levels of calcium and magnesium.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S055	Mueller Hinton Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

Nutrient Agar

Nutrient Agar is a general purpose medium for the cultivation and maintenance of nonfastidious organisms. It can be used for the cultivation and enumeration of organisms in water, sewage, feces and other materials. Nutrient agars prepared with Oxoid Nutrient Broth No. 2, specified by Maron & Ames, Mutat. Res. 113: 173, 1983, are used for general growth and CFU determinations of Ames *S. typhimurium* and *E. coli* WP2 strains.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S76	Nutrient Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp
22-132.007H	Nutrient Agar	Slant	7 ml	Glass Tube	10/ box	Refrigerate
51-40S031	Nutrient Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

Oatmeal Agar

Oatmeal Agar is used for the cultivation of fungi, particularly macrospores.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S137	Oatmeal Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp

Phytone Yeast Extract (PYE) Agar

Phytone Yeast Extract Agar, or PYE, is used as a selective isolation medium of dermatophytes and other pathogenic fungi.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S072	Phytone Yeast Extract (PYE) Agar	---	500 ml	Glass Bottle	1 each	Refrigerate



Plate Count Agar

Plate Count Agar, or Standard Methods Agar, is used for the enumeration of bacteria in a variety of samples including dairy products, food, water and other materials.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S46.141	Plate Count Agar	---	25 ml	100 mm plate	20/ sleeve	Room Temp
51-40S091	Plate Count Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp
26-521	Plate Count Agar	---	400 ml	Glass Bottle	1 each	Room Temp

Potassium Tellurite Agar

Potassium Tellurite Agar is a selective medium used for the isolation and cultivation of *Corynebacterium*.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S91	Potassium Tellurite Agar	w/ 5% Sheep's Blood	20 ml	100 mm plate	20/ sleeve	Refrigerate

Potato Dextrose Agar

This media is used for the cultivation and enumeration of yeasts and molds. Potato Dextrose Agar is also used for the maintenance of stock cultures of certain dermatophytes and for the differentiation of varieties of dermatophytes via pigment production.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S32.141	Potato Dextrose Agar	w/ Tartaric Acid	20 ml	100 mm plate	20/ sleeve	Refrigerate
21-40S74.140	Potato Dextrose Agar	w/ Chlorotetracycline & Chloramphenicol	20 ml	100 mm plate	10/ sleeve	Refrigerate
51-40S036	Potato Dextrose Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp
21-40S52.141	Potato Dextrose Agar	---	20 ml	100 mm plate	20/ sleeve	Room Temp
51-40S131	Potato Dextrose Agar	---	N/A	Contact Plates	10/ sleeve	Room Temp

Potato Starch Agar

Potato Starch Agar is used for cultivating microorganisms used in starch hydrolysis testing.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S192	Potato Starch Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate

Pseudomonas F Agar

Pseudomonas F (Flo) Agar enhances fluorescein production by *Pseudomonas* and is therefore used for the differentiation of pseudomonads.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S94	Pseudomonas F/ Pseudomonas P/ Cetrimide Agar	Tri Plates	10 ml/ sector	Tri Plate	10/ sleeve	Refrigerate
21-40S77	Pseudomonas F Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S79	Pseudomonas F/ Pseudomonas P	Bi Plates	10 ml/ sector	Bi Plate	10/ sleeve	Refrigerate

Pseudomonas P Agar

Pseudomonas P, or Tech Agar, enhances pyocyanin production by *Pseudomonas* and is therefore used for the differentiation of pseudomonads.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S94	Pseudomonas F/ Pseudomonas P/ Cetrimide Agar	Tri Plates	10 ml/ sector	Tri Plate	10/ sleeve	Refrigerate
21-40S79	Pseudomonas F/ Pseudomonas P	Bi Plates	10 ml/ sector	Bi Plate	10/ sleeve	Refrigerate
21-40S75	Pseudomonas P Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

R2A Agar

R2A Agar is recommended for use in the enumeration of heterotrophic bacteria in drinking or tap water. This type of bacteria is slow growing and would normally be overrun by the more fast growing bacteria.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S13	R2A Agar	---	25 ml	100 mm plate	20/ sleeve	Room Temp
21-40S308	R2A Agar	---	N/A	Contact Plates	10/ sleeve	Room Temp
51-40S081.140	R2A Agar	---	25 ml	100 mm plate	10/ sleeve	Room Temp

Reinforced Clostridial Agar

Reinforced Clostridial Agar is used for cultivating and enumerating Clostridia and other anaerobes from food and clinical specimens.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S145	Reinforced Clostridial Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate



Rose Bengal Agar

Rose Bengal Agar is used in conjunction with chloramphenicol for isolating and enumerating yeasts and molds from food and water samples.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S63	Rose Bengal Agar	w/ Chloramphenicol	20 ml	100 mm plate	20/ sleeve	Refrigerate/ Dark
21-40S68	Rose Bengal Agar	w/ Chloramphenicol	N/A	Contact Plates	10/ sleeve	Refrigerate/ Dark

Sabouraud Dextrose Agar

Sabouraud Dextrose Agar is used for the cultivation of pathogenic and nonpathogenic fungi such as dermatophytes and can be more selective with the addition of antimicrobics.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S277.140	Sabouraud Dextrose Agar	50 µg/mL Chloramphenicol	27 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S243.140	Sabouraud Dextrose Agar	w/ 0.7g/L Lecithin & 5g/L Tween 80	N/A	Contact Plates	10/ sleeve	Room Temp
21-40S295	Sabouraud Dextrose Agar	50 µg/mL Chloramphenicol	N/A	Contact Plates	10/ sleeve	Refrigerate
26-664	Sabouraud Dextrose Agar	2% Tween 80 & 0.1% Thymidine: pH 5.6 +/- 0.2	100 ml	Glass Bottle	1 each	Room Temp
26-740	Sabouraud Dextrose Agar	Lecithin & Tween 80; pH 5.6 +/- 0.2	100 ml	Glass Bottle	1 each	Room Temp
21-40S53	Sabouraud Dextrose Agar	---	20 ml	100 mm plate	20/ sleeve	Room Temp
22-106	Sabouraud Dextrose Agar	Slant	10 ml	Glass Tube	10/ box	Room Temp
22-112	Sabouraud Dextrose Agar	5 µg/mL Chloramphenicol (Slant)	10 ml	Glass Tube	10/ box	Refrigerate
26-720	Sabouraud Dextrose Agar	---	500 ml	Glass Bottle	1 each	Room Temp



Salmonella Shigella Agar

Salmonella Shigella (SS) Agar is a differential and selective medium used for the isolation, cultivation and differentiation of gram-negative enteric bacilli from samples like feces, urine and foods.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S011	Salmonella Shigella Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate

Schaedler Agar

Schaedler Agar is a base medium for the recovery of anaerobic microorganisms. The addition of 5% sheep's blood is used for the selective isolation of the gram positive cocci. Other enrichments, such as Vitamin K1, may be added for the cultivation and isolation of fastidious aerobic and anaerobic microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S328	Schaedler Agar	w/ 5% Sheep's Blood	20 ml	100 mm plate	10/ sleeve	Refrigerate

TB1 Agar

TB1 Agar is used as a plating medium for phage titering and to facilitate large size plaque lawns when performing the lambda select cII mutation assay.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S106	TB1 Agar	---	25 ml	100 mm plate	10/ sleeve	Refrigerate

Tomato Juice Agar

Tomato Juice Agar is used for the cultivation and enumeration of the Lactobacillus species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S90.141	Tomato Juice Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate



Triple Sugar Iron (TSI) Agar

Also known as TSI, Triple Sugar Iron Agar is used for the differentiation of gram-negative enteric bacilli via carbohydrate fermentation and the production of hydrogen sulfide. With the addition of sucrose, this medium can detect sucrose-fermenting bacilli as well as lactose and/or dextrose fermenters.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-109.010H	Triple Sugar Iron (TSI) Agar	Slant	10 ml	Glass Tube	10/ box	Refrigerate

Tryptic Soy Agar (TSA)

Also known as TSA or Trypticase Soy Agar, Tryptic Soy Agar is used for the isolation and cultivation of fastidious and nonfastidious microorganisms. This medium can be used for a wide variety of purposes including maintenance of stock cultures, plate counts and microorganism isolation of a range of specimens. It is also used for testing bacterial contaminants in cosmetics. The addition of blood can be used for the visualization of hemolytic reactions produced by various bacterial species. The addition of Tween 80 (Polysorbate 80) and/or Lecithin, is used for environmental monitoring as they inactivate disinfectant residue. The addition of Penicillinase will inactivate antibiotics such as penicillins and cephalosporins.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-665	Tryptic Soy Agar (TSA)	2% Tween 80 & 0.1% Thymidine; pH 7.2+/-0.2	100 ml	Glass Bottle	1 each	Room Temp
21-40S298	Tryptic Soy Agar (TSA)	0.5 mg/ml Kanamycin	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S301	Tryptic Soy Agar (TSA)	w/Penicillinase	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S110	Tryptic Soy Agar (TSA)	---	75 ml	150 mm plate	10/ sleeve	Room Temp
21-40S61	Tryptic Soy Agar (TSA)	w/ 5% Sheep's Blood	20 ml	100 mm plate	20/ sleeve	Refrigerate
22-110	Tryptic Soy Agar (TSA)	w/ 5% Sheep's Blood	10 ml	Glass Tube	10/ box	Refrigerate
51-40S003	Tryptic Soy Agar (TSA)	w/ 5% Sheep's Blood	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S54.141	Tryptic Soy Agar (TSA)	---	20 ml	100 mm plate	20/ sleeve	Room Temp
21-40S147	Tryptic Soy Agar (TSA)	Double Pour	100 ml	150 mm plate	10/ sleeve	Room Temp
22-107.010H	Tryptic Soy Agar (TSA)	Slant	10 ml	Glass Tube	10/ box	Refrigerate
51-40S002	Tryptic Soy Agar (TSA)	---	20 ml	100 mm plate	10/ sleeve	Room Temp
51-40S078	Tryptic Soy Agar (TSA)	---	N/A	Contact Plates	10/ sleeve	Refrigerate
51-40S110	Tryptic Soy Agar (TSA)	---	18 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S100.140	Tryptic Soy Agar (TSA)	w/ Lethicin & Tween 80	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S108.140	Tryptic Soy Agar (TSA)	w/ Lethicin & Tween 80	N/A	Contact Plates	10/ sleeve	Refrigerate
26-739	Tryptic Soy Agar (TSA)	w/ Lethicin & Tween 80; pH 7.3 +/- 0.2	100 ml	Glass Bottle	1 each	Room Temp

Tryptic Soy Agar (TSA) II

Tryptic Soy Agar, Modified (TSA II) is specifically formulated for the addition of animal blood. It is used for the recovery and cultivation of fastidious microorganisms and for determining hemolytic reactions of bacteria. Different animal blood additions provide different hemolytic reactions, depending on the bacterium species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S290	Tryptic Soy Agar (TSA) II	w/ 5% Sheep's Blood	75 ml	150 mm plate	10/ sleeve	Refrigerate
21-40S291	Tryptic Soy Agar (TSA) II	w/ 5% Sheep's Blood & Polymixin B	N/A	Contact Plates	10/ sleeve	Refrigerate

V8 Agar

V8 Agar is used in the cultivation and sporation of fungi.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S49	V8 Agar	---	20 ml	100 mm plate	20/ sleeve	Refrigerate

Violet Red Bile Agar

Violet Red Bile Agar (VRBA) is used for the enumeration of coliform organisms in dairy products.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S090	Violet Red Bile Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate



Violet Red Bile Glucose Agar (VRBGA)

Violet Red Bile Glucose Agar (VRBGA) is used for the detection and enumeration of Enterobacteriaceae in foods and dairy products.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S56	Violet Red Bile Glucose Agar	---	20 ml	100 mm plate	20/ sleeve	Room Temp

XLD Agar

Xylose Lysine Deoxycholate Agar (XLD) is a selective medium for the isolation and differentiation of enteric pathogens, particularly the more fastidious pathogens such as *Shigella*.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S016	XLD Agar	---	20 ml	100 mm plate	10/ sleeve	Refrigerate
21-40S86	Brilliant Green/ XLD Agar	Bi Plates	10 ml/ sector	Bi Plate	10/ sleeve	Refrigerate
21-40S73	Bismuth Sulfite/Brilliant Green/ XLD Agar	Tri Plates	8 ml/ sector	Tri Plate	10/ sleeve	Refrigerate/ DARK



XLT4 Agar

XLT4 (Xylose Lysine Tergitol 4) is a selective medium used in conjunction with the Niaproof 4 supplement to isolate non-typhi *Salmonella* from laboratory samples.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S122.140	XLT4 Agar	w/supplement	20 ml	100 mm plate	10/ sleeve	Refrigerate

Yeast Malt (YM) Agar

Yeast Malt Agar, or Yeast Mold Agar, is used for the cultivation of yeasts, molds and other acidophilic microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S88	Yeast Malt (YM) Agar	Low pH	20 ml	100 mm plate	20/ sleeve	Room Temp

YPD (Yeast-Peptone Dextrose) Agar

YPD Agar is a complete medium used for the maintenance and propagation of yeasts in molecular genetics procedures.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S323	Yeast-Peptone Dextrose (YPD) Agar	---	20 ml	100 mm plate	10/ sleeve	Room Temp





BROTHS





ATCC Medium 243 Broth

ATCC Medium 243 Broth, also known as Heart Infusion plus Medium w/ Yeast Extract #3, supports the growth of Mycoplasma species.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-174	ATCC Medium 243 Broth	---	10 ml	Glass tube	10 /box	Refrigerate

ATCC Medium 988 Broth

ATCC Medium 988 Broth, also known as Mycoplasma Medium SP-4, is used for isolation, differentiation and maintenance of Mycoplasma.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-746	ATCC Medium 988 Broth	w/ additional 5% FBS	50 ml	Plastic bottle	1 each	Refrigerate
22-173	ATCC Medium 988 Broth	---	10 ml	Glass tube	10 / box	Refrigerate

D/E Neutralizing Broth

D/E (Dey/Engley) Neutralizing Broth is used for the neutralization of antimicrobial chemicals in enviromental sampling.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-683	D/E Neutralizing Broth	2x Formulation	500 ml	Glass Bottle	1 each	Refrigerate
26-704.047	D/E Neutralizing Broth	---	500 ml	Glass Bottle	1 each	Refrigerate

Demi-Fraser Broth

Demi-Fraser Broth, in conjunction with Fraser Broth Supplement, is used to selectively and differentially enrich *Listeria* from food and environmental samples.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S025	Demi-Fraser Broth	w/ supplement	10 ml	Glass Tube	10 tubes/ box	Refrigerate

EE Mossel Broth (Enterobacteriaceae Enrichment)

EE Mossel Broth is used for selectively enriching and detecting Enterobacteriaceae and other lactose-negative organisms. This is then followed by subculturing on a selective medium such as Violet Red Bile or Violet Red Bile Glucose Agar (VRBGA).

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-554.038	EE Mossel Broth	(Enterobacteriaceae Enrichment)	90 ml	Glass Bottle	1 each	Refrigerate
26-554.039	EE Mossel Broth	(Enterobacteriaceae Enrichment)	100 ml	Glass Bottle	1 each	Refrigerate



Fluid Thioglycollate

Fluid Thioglycollate Medium (FTM) contains a small amount of agar and several reducing agents which detects the presence of anaerobic bacteria in sterility testing. This medium is recommended by the FDA and in the USP for use in sterility confirmation. Strict aerobes tend to grow at the surface whereas obligate anaerobes grow below the upper oxidized layer portion of the broth.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-606	Fluid Thioglycollate	---	200 ml	Glass Bottle	1 each	Room Temp
51-40S051	Fluid Thioglycollate	---	1000 ml	Plastic Bottle	1 ea	Refrigerate

Haemophilus Test Medium

Haemophilus Test Medium (HTM) is used in the dilution antimicrobial susceptibility testing (AST) of *Haemophilus influenzae* and other fastidious respiratory pathogens. This formulation is supplemented with the X factor (hematin) but not the V (NAD) growth factors. For differentiation of XV, NAD must be added to this medium.

Part Number	Description	Features	Size-Conc	Format	Pkg	Storage
26-616	Haemophilus Test Medium	w/o NAD	500 ml	Plastic Bottle	1 each	Refrigerate

Lactobacilli MRS Broth

This broth is used in the isolation, enumeration and cultivation of the Lactobacillus species.

Part Number	Description	Features	Size-Conc	Format	Pkg	Storage
26-619.039	Lactobacilli MRS Broth	---	100 ml	Glass Bottle	1 each	Refrigerate



Lethen Broth

Used to determine the antimicrobial activity in quaternary ammonium compounds, primarily when evaluating disinfectants, germicides and cosmetics. Lethen broth is also used in determining the phenol coefficient of cationic surfactants.

Part Number	Description	Features	Size-Conc	Format	Pkg	Storage
51-40S134	Lethen Broth	---	9 ml	Glass Tube	10 tubes/box	Refrigerate

LB Broth

LB Broth, also referred to as Luria-Bertani Broth, is a widely used medium in molecular biology applications for maintaining and propagating *E. coli*. LB Broth, Miller contains twice the amount of sodium chloride as that of the Lennox formulation which allows for the researcher to be selective of the salt content when working with a specific strain. MOLTOX® does not provide microorganisms for testing. Some media are temperature sensitive and may have specific temperature and storage requirements for shipping/delivery. For Research Use Only

Part Number	Description	Features	Size-Conc	Format	Pkg	Storage
26-598	LB Broth	Miller Formulation	1000 ml	Plastic Bottle	1 each	Room Temp



MacConkey Broth

MacConkey Broth is utilized as a preliminary test for coliform organisms. It is used for cultivating gram-negative, lactose fermenting bacilli in water and foods.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-556	MacConkey Broth	---	100 ml	Glass Bottle	1 each	Refrigerate

mFC Broth

mFC Broth is used with Rosolic Acid to cultivate and enumerate fecal coliforms via membrane filtration technique at elevated temperatures.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-635.057	mFC Broth	---	10.5 ml	Amber Vial	10/ box	Refrigerate

Middlebrook 7H9 Broth

Middlebrook 7H9 Broth is used in conjunction with ADC Enrichment for the cultivation of Mycobacteria.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-732	Middlebrook 7H9	w/ ADC Enrichment (min order 2)	500 ml	Plastic Bottle	1 each	Refrigerate

Modified Clostridial Broth

Modified Clostridial Broth is used for the enumeration of Clostridia in food samples.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-577	Modified Clostridial Broth	---	100 ml	Plastic Bottle	1 each	Refrigerate

Mueller Hinton Broth

Mueller Hinton Broth is used in antimicrobial susceptibility testing as well as for cultivating a wide variety of fastidious and nonfastidious microorganisms. This medium is not cation-adjusted.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-617.047	Mueller Hinton Broth	w/ Cations	500 ml	Plastic Bottle	1 each	Refrigerate

Mueller Hinton II Broth

Mueller Hinton II Broth is used in susceptibility testing of aerobic and facultatively anaerobic bacteria. This medium is cation-adjusted to calcium and magnesium ion concentrations.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-638	Mueller Hinton II Broth	Cation Adjusted	100 ml	Glass Bottle	1 each	Refrigerate

Nutrient Broth

Nutrient Broth is used for the cultivation of various nonfastidious microorganisms. The formulations which include Oxoid Nutrient Broth No. 2 are primarily used in the Ames assay as specified by Maron & Ames, Mutat. Res. 113: 173, 1983 for culture of *S. typhimurium*. Also used for culture of *E. coli* WP2.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-121	Nutrient Broth	---	9 ml	Glass Tube	10/ box	Room Temp

Peptone Broth

Peptone Broth is used as an organic nitrogen source for the cultivation of a variety of bacteria and fungi.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-519	Peptone Broth	0.1% Peptone	90 ml	Glass Bottle	1 each	Room Temp
22-101	Peptone Broth	0.1% Peptone	9 ml	Glass Tube	10/box	Room Temp



Potato Dextrose Broth

This media is a general-purpose broth medium used for the cultivation of yeasts and molds. Minimum order 2.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-176	Potato Dextrose Broth	Min Order of 2	10 ml	Glass Tube	10/ box	Room Temp

Reinforced Clostridial Broth

Reinforced Clostridial Broth is a semi-solid medium used for cultivating and enumerating Clostridia and other anaerobes from foods and clinical specimens.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-612	Reinforced Clostridial Broth	---	100 ml	Glass Bottle	1 each	Refrigerate

Sabouraud Dextrose Broth

Sabouraud Dextrose Broth is used for culturing yeasts, molds and other aciduric microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-679	Sabouraud Dextrose Broth	---	100 ml	Glass Bottle	1 each	Room Temp
26-728	Sabouraud Dextrose Broth	pH 5.6 +/- 0.2 - MOQ 96	100 ml	Wide Mouth Glass Jar	1 each (MOQ 96)	Room Temp

Skim Milk

Skim Milk can be used for maintaining frozen stock cultures as well as for the cultivation and enumeration of many common microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
21-40S50	Skim Milk, 15%	---	50 ml	Glass Bottle	1 each	Refrigerate

Tetrathionate Broth

Tetrathionate Broth is a selective medium used for the isolation of *Salmonella* from various materials such as food, urine, feces, etc.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S120	Tetrathionate Broth	Not sterile. Without iodine-iodide solution	1000 ml	Plastic Bottle	1 each	Refrigerate

Tomato Juice Broth

Tomato Juice Broth is used for cultivating aciduric microorganisms such as yeasts.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-584	Tomato Juice Broth	---	100 ml	Glass Bottle	1 each	Refrigerate

Tryptic Soy Broth (TSB)

Also known as Trypticase or Soybean-Casein Digest, Tryptic Soy Broth is a general purpose medium for the cultivation of fastidious and nonfastidious microorganisms, including common aerobic, facultative and anaerobic bacteria and fungi.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-625	Tryptic Soy Broth (TSB)	0.5% Lecithin & 4% Tween 80	90 ml	Wide Mouth Glass Jar	1 each*	Refrigerate
26-657	Tryptic Soy Broth (TSB)	2% Tween 80 pH 7.3 +/- 0.2	90 ml	Wide Mouth Glass Jar	1 each*	Refrigerate
26-658	Tryptic Soy Broth (TSB)	2% Tween 80 & 0.1 Thymidine; pH 7.3 +/- 0.2	90 ml	Wide Mouth Glass Jar	1 each*	Refrigerate
26-685	Tryptic Soy Broth (TSB)	0.5% Lecithin & 4% Tween 80; pH 7.3 +/- 0.2	90 ml	Wide Mouth Glass Jar	1 each*	Refrigerate
26-705.1	Tryptic Soy Broth (TSB)	0.3% Lecithin & 7% Tween 80	100 ml	Glass Bottle	1 each	Refrigerate
26-705.3	Tryptic Soy Broth (TSB)	0.3% Lecithin & 7% Tween 80	300 ml	Glass Bottle	1 each	Refrigerate
22-125.020H	Tryptic Soy Broth (TSB)	---	20 ml	Glass Tube	10/box	Room Temp
22-126.025H	Tryptic Soy Broth (TSB)	---	25 ml	Glass Tube	10/box	Room Temp
22-127.010H	Tryptic Soy Broth (TSB)	---	10 ml	Glass Tube	10/box	Refrigerate
22-158.010H	Tryptic Soy Broth (TSB)	2x Formulation	10 ml	Glass Tube	10/box	Room Temp
26-531.038	Tryptic Soy Broth (TSB)	---	90 ml	Glass Bottle	1 each	Room Temp
26-531.052	Tryptic Soy Broth (TSB)	---	1000 ml	Plastic Bottle	1 each	Room Temp
26-607	Tryptic Soy Broth (TSB)	---	100 ml	Plastic Bottle	1 each	Room Temp

Tryptone Salt Broth

This Tryptone Salt Broth is a 0.1% tryptone with NaCl for use as a diluent in stock suspensions.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
51-40S100	Tryptone Salt Broth	---	9 ml	Glass Tube	10/ box	Room Temp

2x YT (Yeast/Tryptone) Broth

This medium is a growth medium used for the cultivation of recombinant strains of *E. coli*. This nutritionally rich medium is also used in the propagation of M13 bacteriophage for phage display research.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-597	2x YT (Yeast/Tryptone) Broth	2x Formulation	1000 ml	Plastic Bottle	1 each	Refrigerate

Tryptose Phosphate Broth

Tryptose Phosphate Broth is used for the cultivation of fastidious, pathogenic microorganisms.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-615	Tryptose Phosphate Broth	---	100 ml	Glass Bottle	1 each	Room Temp
26-618	Tryptose Phosphate Broth	---	500 ml	Glass Bottle	1 each	Room Temp

YPD (Yeast-Peptone Dextrose) Broth

YPD Broth is a complete medium used for the maintenance and propagation of yeasts in molecular genetics procedures.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-743	YPD (Yeast-Peptone Dextrose) Broth	---	100 ml	Plastic Bottle	1 each	Room Temp





REAGENTS





Antibiotic Solutions/Discs

Our Antibiotic Solutions/Discs are specifically formulated for use in bacterial mutagenicity assays. Ampicillin is used as a culture medium additive when growing pKM101-containing strains. Tetracycline is used as a culture medium additive for growth of pAQ1-containing strains (TA102). Mitomycin C, Ampicillin, Crystal Violet and Tetracycline discs are designed for use with our Phenotype test kit or can be used separately.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-804	Ampicillin Solution	8 mg/ml	10 ml	Plastic Tube	1 each	Refrigerate
26-805	Tetracycline Solution	0.8 mg/ml	10 ml	Plastic Tube	1 each	Refrigerate
26-810	Ampicillin Discs	2 µg/disc	10 discs/vial	Glass Vial	1 each	Freezer
26-811	Tetracycline Discs	1 µg/disc	10 discs/vial	Glass Vial	1 each	Freezer
26-812	Mitomycin C Discs	0.2 µg/disc	10 discs/vial	Glass Vial	1 each	Freezer
26-813	Crystal Violet Discs	10 µg/disc	10 discs/vial	Glass Vial	1 each	Freezer
26-809	Crystal Violet Discs	Saturated by 1 mg/mL solution	10 discs/vial	Amber Vial	1 each	Room Temp

Biotin

D-biotin is required to maintain the viability and growth of *Salmonella typhimurium* and *Escherichia coli* tester strains during mutagenicity screening. Formulated to meet rigorous quality standards, this solution ensures baseline bacterial growth without interfering with the detection of mutagenic revertants.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-702	Biotin Solution	0.5 mM Biotin Solution	100 ml	Plastic Bottle	1 each	Refrigerate

Buffers

MOLTOX® manufactures a wide variety of specialty buffers for your laboratory needs.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-120	Butterfields Phosphate Buffer	pH 7.2 ± 0.2	9 ml	Glass Tube	10/box	Room Temp
26-622	Butterfields Phosphate Buffer	pH 7.2 ± 0.2	1000 ml	Plastic Bottle	1 each	Room Temp
26-510.039	Sodium Phosphate Buffer	0.2 M, pH 7.4	100 ml	Plastic Bottle	1 each	Room Temp
26-510.047	Sodium Phosphate Buffer	0.2 M, pH 7.4	500 ml	Plastic Bottle	1 each	Room Temp
26-516.5	Sodium Phosphate Buffer	2.0 M, pH 7.4	500 ml	Plastic Bottle	1 each	Room Temp
26-674.5	Phosphate Buffered Saline	(w/o Ca or Mg), pH 7.4 ± 0.2	500 ml	Plastic Bottle	1 each	Room Temp
26-547	Potassium Phosphate Buffer	50 mM, pH 7.2 ± 0.1	90 ml	Plastic Bottle	1 each	Room Temp
26-552	Potassium Phosphate Buffer	50 mM, pH 7.2 ± 0.2, w/ 0.5% Lecithin & 4% Tween 20	90 ml	Glass Bottle	1 each	Room Temp
26-676	Potassium Phosphate Buffer	200 mM, pH 7.2 ± 0.2	500 ml	Plastic Bottle	1 each	Room Temp
26-543.039	Sodium Phosphate Buffer	0.1 M, pH 7.4 ± 0.2 (Filter Sterilized)	100 ml	Plastic Bottle	1 each	Room Temp
26-588	Sodium Phosphate Buffer	1 M, pH 7.4 ± 0.1	50 ml	Plastic Bottle	1 each	Room Temp
26-641	Sodium/Potassium Phosphate Buffer	1 M, pH 7.4 ± 0.1	50 ml	Glass Bottle	1 each	Room Temp
26-566	Tris-HCL Buffer	20 mM, pH 8.6 ± 0.2	1000 ml	Plastic Bottle	1 each	Room Temp
26-575	Tris-HCL Buffer	0.1 M, pH 8.0 ± 0.2	1000 ml	Plastic Bottle	1 each	Room Temp
26-569	Tris-HCL Buffer	40 mM, pH 8.6 ± 0.2	1000 ml	Plastic Bottle	1 each	Room Temp

Buffered Peptone Water

Buffered Peptone Water is a pre-enrichment, nonselective medium that allows for the repair of cell damage and facilitates the recovery of *Salmonella* species from food specimens prior to selective enrichment and isolation. Also used as a diluent for food and water samples.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-727	Buffered Peptone Water	w/ 1% Tween 80 pH 7.2 ± 0.2 MOQ 96	100 ml	Wide mouth glass jar	1 ea	Refrigerate
26-727.5	Buffered Peptone Water	w/ 1% Tween 80	500 ml	Wide mouth glass jar	1 ea	Refrigerate



dH₂O

Deionized dihydrogen monoxide, water, for use as a solvent and/or dilutant as needed.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-140.015H	Sterile Distilled Water	Steam Sterilized; pH 5.5 - 7.0	15 ml	Glass Tube	10/ box	Room Temp
26-682.1	Sterile Deionized Water	Steam Sterilized	100 ml	Plastic Bottle	1 each	Room Temp
26-682	Sterile Deionized Water	Steam Sterilized	25 ml	Plastic Bottle	1 each	Room Temp

EDTA

Ethylenediaminetetraacetic acid – used in standard genetic toxicology tests to prepare cells, stop specific enzymatic reactions, and stabilize DNA fragments.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-747	EDTA	200 mM, pH 10 ± 0.1	200 ml	Plastic Bottle	1 each	Room Temp
26-749	EDTA in HBSS- CMPF	20 mM EDTA in (HBSS-CMPF) w/o Ca, Mg or Phenol Red	900 ml	Plastic Bottle	1 each	Room Temp

Fluid D

Fluid D is peptone water (Fluid A) with the addition of Polysorbate (Tween) 80. It is used for diluting or rinsing when performing sterility testing. Tween 80 acts as a surfactant which will break down any residue present.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-654	Fluid D	2% Tween 80 & 0.3% Lecithin; pH 7.2 ± 0.2 /MOQ 96	90 ml	Wide mouth glass jar	1 each	Refrigerate
26-741	Fluid D	2% Tween 80; pH 7.1 ± 0.2 /MOQ96	95 ml	Wide mouth glass jar	1 each	Refrigerate

G6P (Glucose-6-phosphate)

Essential metabolic intermediate critical for powering cellular energy pathways, nucleotide synthesis, and oxidative stress defenses.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-131	G(6)P	0.2 M Solution	10 ml	Plastic Tube	10/box	Freezer
22-134	G(6)P	0.05 M Solution	10 ml	Plastic Tube	10/box	Freezer
26-511	G(6)P	1 M Solution	2 ml	Plastic Vial	1 each	Freezer
60-216.1	G(6)P	0.25 M Solution	1.5 ml	Plastic Vial	1 each	Freezer



Glucose

High-purity, primary monosaccharide carbohydrate serving as the fundamental energy source and carbon substrate for cellular life.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-551.039	40% D-Glucose, Sterile	Steam Sterilized	100 ml	Glass Bottle	1 each	Room Temp
26-551.047	40% D-Glucose, Sterile	Steam Sterilized	500 ml	Glass Bottle	1 each	Room Temp
26-565	20% D-Glucose, Sterile	Filter Sterilized	800 ml	Plastic Bottle	1 each	Room Temp
26-735	5% Glucose	Steam Sterilized	500 ml	Plastic Bottle	1 each	Room Temp

HB (Histidine/Biotin)

Pre-mixed, sterile-filtered amino acid and vitamin supplement optimized specifically for the growth, maintenance, and testing of *Salmonella typhimurium* Ames strains.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-700.039	Histidine/Biotin	0.5 mM Solution	100 ml	Plastic Bottle	1 each	Refrigerate

HBT (Histidine/Biotin/Tryptophan)

Pre-mixed, sterile-filtered, and quality-tested amino acid and vitamin supplement combination. It is specifically engineered to support universal bacterial reverse mutation assays.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-642.039	His/Bio/Tryp	1X (0.5 mM) Solution	100 ml	Plastic Bottle	1 each	Refrigerate
26-642.043	His/Bio/Tryp	1X (0.5 mM) Solution	300 ml	Plastic Bottle	1 each	Refrigerate

KCl (Potassium Chloride)

A critical metabolic cofactor and buffering agent used to sustain enzymatic activation in the Ames test and regulate cell environments in general molecular research.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-645	KCl	1 M Solution	50 ml	Glass Bottle	1 each	Room Temp

L-tryptophan

Amino acid used primarily as a baseline nutrient marker and selection agent in bacterial reverse mutation tests (the Ames test), as well as a critical cell culture supplement in general molecular biology.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-701.1	L-tryptophan	0.5 mM Solution	100 ml	Plastic Bottle	1 each	Refrigerate

Maltose

Maltose serves as a specialized energy and carbon source for cultivation of specific bacteria (like *Escherichia coli*) and yeast (like *Saccharomyces cerevisiae*).

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-599	Maltose	20% - 1 M MgSO ₄ • 7H ₂ O	100 ml	Plastic Bottle	1 each	Refrigerate

MgCl₂ (Magnesium Chloride)

Enzyme cofactor used in laboratories to activate DNA polymerases, stabilize nucleic acids, and maintain cellular salt balance in both genetic toxicology and general molecular biology.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-646	MgCl ₂	0.25 M Solution	50 ml	Glass Bottle	1 each	Room Temp



MgCl₂/KCl (Magnesium Chloride/Potassium Chloride)

A pre-mixed, high-purity ionic concentrate designed to provide the essential cofactors and salt balance required for the Ames test S9 activation mix and PCR amplification.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-128.010H	MgCl ₂ / KCl	MgCl ₂ (0.2 M) / KCl (0.825 M)	10 ml	Glass Tube	10/ box	Room Temp
26-512.010H	MgCl ₂ / KCl	MgCl ₂ (0.4 M) / KCl (1.65 M)	10 ml	Plastic Bottle	1 each	Room Temp
26-512.020I	MgCl ₂ / KCl	MgCl ₂ (0.4 M) / KCl (0.1.65 M)	20 ml	Plastic Bottle	1 each	Room Temp

NADP (Nicotinamide adenine dinucleotide phosphate)

An essential metabolic coenzyme that acts as a vital electron carrier to power the liver enzyme reactions in the Ames mutagenicity test and other in vitro toxicity studies.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-164	NADP	0.5 M Solution	0.5 ml	Plastic Vial	1 each	Freezer
22-129	NADP	0.4 M Solution	10 ml	Plastic Tube	10/ box	Freezer
60-202	NADP	---	10 g	Glass Bottle	1 each	Freezer
60-202.01	NADP	---	1 g	Plastic Vial	1 each	Freezer
60-202.5	NADP	---	50 g	Plastic Bottle	1 each	Freezer



NADPH (Dihydronicotinamide- adenine dinucleotide phosphate)

The active, electron-rich form of the NADP coenzyme used as a direct energy source to power metabolic enzymes in cell-free toxicology assays and advanced biochemical research.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
60-204	NADPH	---	36.5 mg	Plastic Vial	1 each	Refrigerate

Saline

Sterile fluid used in laboratories to wash bacterial cells, dilute test samples, and maintain osmotic balance without altering genetic results.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
22-108.009	Saline	0.85% NaCl Solution	9 ml	Glass Tube	10/box	Room Temp
51-40S022.052	Saline	0.9% NaCl Solution	1000 ml	Plastic Bottle	1 each	Room Temp
51-40S029	Saline	0.9% NaCl Solution	9 ml	Glass Tube	10/box	Room Temp
26-568	Saline	2M NaCl Solution	1000 ml	Plastic Bottle	1 each	Room Temp
26-574	Saline	1M NaCl Solution	1000 ml	Plastic Bottle	1 each	Room Temp



TTC (Triphenyltetrazolium Chloride)

It serves as a highly effective "color indicator" by switching from a colorless solution to a vibrant, permanent red dye whenever it encounters living, metabolically active cells.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-729	TTC	0.1% Solution	100 ml	Plastic Bottle	1 each	Refrigerate
26-730	TTC	0.15% Solution	100 ml	Plastic Bottle	1 each	Refrigerate

Vogel Bonner Salts (VBE)

Vogel-Bonner Salts (VBE) are used in the manufacture of Minimal Glucose Agar for use in the Ames assay. **MOLTOX®** offers a wide array of reagents for use in the Ames assay.

Vogel's Medium N Salts (Vogel's 50X Salt Solution) is used in the preparation of medium that are widely used for the cultivation of *Neurospora* among many other fungi. It contains the necessary Trace Element and Biotin additions for the final medium.

PART NUMBER	DESCRIPTION	FEATURES	SIZE-CONC	FORMAT	PKG	STORAGE
26-550.039	50X VBE - Non-Sterile	50X VBE - Non-Sterile	100 ml	Plastic Bottle	1 each	Room Temp
26-550.047	50X VBE - Non-Sterile	50X VBE Formulation-Non-Sterile	500 ml	Plastic Bottle	1 each	Room Temp
26-541	50X VBE	50X VBE Formulation-Sterile	140 ml	Plastic Bottle	1 each	Room Temp
26-644.052	20X VBE	20X VBE Formulation-Sterile	1000 ml	Plastic Bottle	1 each	Refrigerate
26-681	Vogel's 50X Salt Solution	Vogel's 50X Salt Solution Formulation	1000 ml	Plastic Bottle	1 each	Room Temp



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