

MOLTOX[®]

Molecular Toxicology, Inc.

BACTERIOLOGICAL MEDIA



MOLTOX[®]

Molecular Toxicology, Inc.

MOLTOX[®] is the world's leading manufacturer of prepared Minimal Glucose Agars for use in the Salmonella mutagenicity assay (Ames Assay) and observes the highest standards in the production and packaging of prepared media. MOLTOX[®] prepared bacteriological media includes nutrient, selective and enrichment media used in industrial, environmental and molecular microbiology.

MOLTOX[®] media are manufactured with the best materials:

- A.C.S. "Certified" or better chemicals are employed. Impurities in commodity grade material can effect the performance of many media.
- Petri dishes are highest quality polystyrene. Dishes stack well and exhibit excellent optical clarity and dimensional uniformity.
- Only Type II borosilicate glass, PETG, natural polypropylene or polycarbonate containers with PTFE or white rubber closure liners are used. All containers are noncontaminating.
- Solid media are formulated with industry standard Difco (BBL) Bacto and BD Agars.
- Each lot of media is tested for sterility and its ability to support the growth of the appropriate microorganism.
- All media are accompanied by GLP-compliant formulation and QC certificates.

The MOLTOX[®] production facility is equipped with modern manufacturing equipment including:

- On-Line Engineering[™] plate pouring machines
- Systec[™] media preparators
- Automated liquid pumping assemblies

MOLTOX[®] will manufacture media formulated and packaged to your specifications. Please contact us if you need media with non-standard sugars, special salts or buffers, mixtures of antibiotics, chemically defined amino acid compositions or a particular compound of interest. We will be happy to supply you with a quote corresponding to your Custom Media requirement.

CONTENTS	PG #
Distributors	2
Ordering	3
Terms & Conditions	3
Plated & Bottled Media	4
Multi-Section Plates	15
Reagents/Buffers	16

MOLTOX® Distributors

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www.trinova.de

INDIA

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www.krishgen.com

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Instrumed
www.instrumed.net

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www.woojungbsc.co.kr

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Shanghai Bioplus Biotech Col, Ltd.
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www.interlabdist.com.br

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Net 30. Freight prepaid. Packing charges apply to dry and blue ice shipments. 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 costs may apply.

RETURN POLICY

Items sent to you due to our error are immediately returnable at our expense. Items found to be unsatisfactory will be credited to your account or replaced free of charge. Shipments damaged in transit should be retained and reported within 7 days of receipt to the Customer Service Department at 1.800.536.7232. Spoiled or damaged products will be replaced or a credit issued. *Your satisfaction is guaranteed.*

GENERAL CONDITIONS OF SALES AND WARRANTY

Products purchased directly from Molecular Toxicology, Inc (MOLTOX[®]) are shipped in accordance with the specifics of your purchase order. It is the responsibility of the customer to determine the suitability of the product or products for their application: MOLTOX[®] products are sold for research purposes only.



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Molecular Toxicology, Inc.
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Plated & Bottled Media

PRODUCT	SIZE	PART #
2XYT Broth	1 L/bottle	26-597
Rich growth media used for cultivating recombinant strains of <i>Escherichia coli</i> – also used in culture of <i>E. coli</i> strains for bacteriophage propagation.		
Ampicillin Master Plates	5 plates/sleeve	21-201
Minimal Glucose Agar with excess histidine and biotin plus ampicillin. For use with pKM101 containing Ames Salmonella strains.		
Bacmid Selection Agar	30 ml/plate; 10/sleeve	21-40S125
Used for isolation and selection of recombinant organisms containing bacmid DNA (a baculovirus shuttle vector).		
Bile Esculin Azide Agar	20 ml/plate; 10/sleeve	51-40S006
For the selective isolation and differentiation of group D streptococci.		
Bismuth Sulfite Agar	20 ml/plate; 10/sleeve	51-40S007
A highly selective medium used for isolating <i>Salmonella</i> spp., particularly <i>Salmonella typhi</i> , from food and clinical specimens. Conforms with specifications of <i>The United States Pharmacopeia (USP)</i> .		
Blood Agar	20 ml/plate; 10/sleeve	51-40S005
Used for the isolation, cultivation and detection of hemolytic activity of streptococci and other fastidious microorganisms.		
Brain Heart Infusion Agar	20 ml/plate; 20/sleeve	21-40S62
General-purpose medium suitable for the cultivation of a wide variety of organism types, including many bacteria, yeasts and molds.		
Brain Heart Infusion Agar w/ 5% Sheeps Blood		
General-purpose medium suitable for the cultivation of a wide variety of organism types, including bacteria, yeasts and molds. The addition of sheep's blood facilitates the growth of fastidious fungal specimens.		
	20 ml/plate; 20/sleeve	21-40S85
Brilliant Green Agar	20 ml/plate; 10/sleeve	51-40S015
For the isolation of Salmonella other than <i>S. typhi</i> .		
Casein Agar Plates	20 ml/plate; 10/sleeve	21-40S189
Used in qualitative procedures for the differentiation of <i>Nocardia</i> species. Part of a set of <i>Nocardia</i> Differentiation Media (Casein Agar, Tyrosine Agar, Xanthine Agar, & Starch Agar).		
Cetrimide Agar	20 ml/plate; 10/sleeve	51-40S014
Also known as Pseudosel Agar. Used for the selective isolation and identification of <i>Pseudomonas aeruginosa</i> . Conforms with specifications of <i>The United States Pharmacopeia (USP)</i> .		
Chapman Stone Agar	20 ml/plate; 10/sleeve	51-40S041
For isolating and differentiating staphylococci based on gelatinase activity and mannitol fermentation.		
Columbia Agar (w/o Sheep's Blood)	20 ml/plate; 10/sleeve	21-40S111
General-purpose medium for the isolation and cultivation of nonfastidious and fastidious microorganisms.		
Dextrose Starch Agar	20 ml/plate; 10/sleeve	51-40S021
Used for cultivating cultures of <i>Neisseria gonorrhoeae</i> and other fastidious microorganisms.		
EC TRI PC™ Plates	5 plates/sleeve	21-199
For phenotypic confirmation of WP2 strains. Tests for tryptophan auxotrophy and pKM101.		

PRODUCT	SIZE	PART #
EE Broth Mossel	100 ml/bottle	26-554
Also known as Enterobacteriaceae Enrichment Broth. Used for selectively enriching and detecting Enterobacteriaceae. Should be used as an enrichment broth, followed by a selective medium.		
Enterococcosel Agar	20 ml/plate; 20/sleeve	21-40S83
Used for the rapid, selective detection and enumeration of enterococci.		
Eosin Methylene Blue (EMB) Agar, Modified	20 ml/plate; 20/sleeve	21-40S87
A slightly selective and differential medium for the isolation, cultivation and differentiation of gram-negative enteric bacilli.		
Esculin Agar Plates	20 ml/plate; 20/sleeve	21-40S193
A differential medium for demonstrating esculin hydrolysis by various microorganisms.		
Fluid Thioglycollate Broth		
Used for the sterility testing of biologics and for the cultivation of anaerobes, aerobes and microaerophiles.		
	200 ml/bottle	26-606
	1 L/bottle	51-40S051
	10 ml/tube; 10 or 100/box	22-133
Haemophilus Test Medium	500 ml/bottle	26-616
For use in dilution antimicrobial susceptibility testing of <i>Haemophilus influenzae</i> .		
Hektoen Enteric Agar	20 ml/plate; 10/sleeve	51-40S008
A moderately selective medium for the isolation and cultivation of gram-negative enteric microorganisms, especially <i>Shigella</i> .		
Histidine/Biotin Master Plates	10 plates/sleeve	21-203
Minimal Glucose Agar with excess histidine and biotin. For culture of <i>his⁻</i> Salmonella strains		
Histidine/Biotin Top Agar (0.05mM)		
For use with <i>S. typhimurium</i> strains in the Ames assay.		
	100 ml/bottle	26-503.1
	300 ml/bottle	26-503.3
	500 ml/bottle	26-503.5
Hypoxanthine Agar	20 ml/plate; 20/sleeve	21-40S190
Used in qualitative procedures for the differentiation of <i>Nocardia</i> species. Part of a set of <i>Nocardia</i> Differentiation Media (Casein Agar, Tyrosine Agar, Xanthine Agar, & Starch Agar).		
KF Streptococcus Agar w/ TTC	20 ml/plate; 10/sleeve	21-40S82
Used for isolating fecal streptococci.		
Lactobacilli MRS Media		
Used for the isolation, enumeration and cultivation of Lactobacillus species.		
	Plates 20 ml/plate; 10/sleeve	51-40S020
	Broth 100 ml/bottle	26-619
	Broth 500 ml/bottle	51-40S071
LB Agar (Lennox)	20 ml/plate; 10/sleeve	51-40S075
Used for maintaining and cultivating recombinant strains of <i>Escherichia coli</i> .		
LB Agar (Miller)	20 ml/plate; 10/sleeve	21-40S102
Used for maintaining and propagating <i>Escherichia coli</i> in molecular microbiology procedures.		
LB Broth (Miller)	1 L/bottle	26-598
Used for maintaining and propagating <i>Escherichia coli</i> in molecular microbiology procedures.		

MOLTOX® LB Agar Matrix

LB Type		Fill size per plate (mL)	Antibiotic/Additive (Concentration µg/mL)													Part #		
Miller	Lennox		Kan.	Amp.	Carben.	IPTG	X-Gal	Chlor.	Hygro.	Spect.	Zeocin	Glycerol	Trimeth.	Puro.	Glucose		Tetra.	Gent.
X		20																21-40S30
X		20	25															21-40S31
X		20		100														21-40S96
X		20	50															21-40S97.140
X		20			100													21-40S98.140
X		20		100		119	80											21-40S99
X		20																21-40S102.140
	X	20						12.5										21-40S115
X		20	25															21-40S116.140
X		20	25					12.5										21-40S117
X		20							150									21-40S118.140
X		20								25								21-40S119.140
X		20						12.5			12.5							21-40S120
X		20		100							12.5							21-40S121
X		20	25								12.5							21-40S122
X		20									12.5							21-40S123
X		20			100													21-40S124
X		20		100														21-40S130
X		20	25	100														21-40S134
X		20						12.5	75									21-40S136
X		60						34										21-40S140
X		60	25					34										21-40S141
X		20									X							21-40S143
X		20						12.5	150									21-40S148
X		20	25							50								21-40S149
X		20		100				12.5										21-40S150
X		20								50								21-40S151
X		20							100									21-40S152
X		20						12.5	100									21-40S153
X		60	25					13.6										21-40S155
X		60						34				10						21-40S157
X		60	25					34				10						21-40S158
X		60										10						21-40S159
X		60	25									10						21-40S160
X		25		1														21-40S165
X		25	0.5															21-40S166
X		60	20					34										21-40S167
X		20		100														21-40S168.140
X		20	50															21-40S169

MOLTOX® LB Agar Matrix (cont.)

LB Type		Fill size per plate (mL)	Antibiotic/Additive (Concentration µg/mL)													Part #			
Miller	Lennox		Kan.	Amp.	Carben.	IPTG	X-Gal	Chlor.	Hygro.	Spect.	Zeocin	Glycerol	Trimeth.	Puro.	Glucose		Tetra.	Gent.	Rifamp.
	X	20			100			12.5											21-40S175
	X	20												80					21-40S179
	X	20						12.5	150										21-40S182
	X	20	25						150										21-40S184
	X	20		100									80						21-40S188
X		30		100															21-40S194
X		30	50																21-40S195
X		30			100														21-40S196
X		30		100		99	80												21-40S197
X		30																	21-40S198
	X	20											X						21-40S205
	X	20						75	50										21-40S219
	X	20		100											5				21-40S220
	X	20	15					15							5				21-40S221
	X	20						40											21-40S222
X		20						15							5				21-40S223
	X	20						12.5	50										21-40S224
	X	20						75	25										21-40S226.140
	X	20						12.5	25										21-40S227.140
	X	20	25						25										21-40S228.140
	X	20	25						75										21-40S229.140
	X	20		100					75										21-40S230
	X	20		100						25									21-40S231.140
X		20	15																21-40S233
X		20	10												5				21-40S237.140
X		20		100				12.5											21-40S238.140
X		20							40										21-40S240.140
X		20	35																21-40S246.140
X		20						20											21-40S247.140
X		20		100															21-40S248.140
X		20		100				20											21-40S249.140
X		20	20					20											21-40S250.140
X		20													5				21-40S251.140
X		20	20	100															21-40S252.140
X		20													0.5	5			21-40S253.140
X		20														5			21-40S254.140
X		20	20	100				20											21-40S255.140
X		20	35	100				20											21-40S268.140
X		20	35	100															21-40S269.140

MOLTOX® LB Agar Matrix (cont.)

LB Type		Fill size per plate (mL)	Antibiotic/Additive (Concentration µg/mL)													Part #		
Miller	Lennox		Kan.	Amp.	Carben.	IPTG	X-Gal	Chlor.	Hygro.	Spect.	Zeocin	Glycerol	Trimeth.	Puro.	Glucose		Tetra.	Gent.
X		20	35					20										21-40S270
X		20						50									5	21-40S280
X		20	300														5	21-40S282
	X	20	30															51-40S037
	X	20																51-40S075
	X	20		100														51-40S087
	X	20							40									51-40S088
	X	20	40															51-40S114
	X	20	40												100			51-40S115
	X	20													5			51-40S116
	X	20													20			51-40S117
	X	20						20										51-40S133
	X	20	50															51-40S136

PRODUCT	SIZE	PART #
m-Enterococcus Agar	20 ml/plate; 10/sleeve	51-40S009
Also known as m-Azide Agar. Used for the rapid, selective detection and enumeration of enterococci.		
MacConkey Agar		
Selective and differential plating media mainly used for the detection and isolation of gram-negative organisms. Also used for isolating and differentiating lactose-fermenting/lactose- non-fermenting gram-negative enteric bacilli. Conforms with specifications of <i>The United States Pharmacopeia (USP)</i> .		
Plates	20 ml/plate; 10/sleeve	51-40S012
Broth	100 ml/bottle	26-556
Malt Extract Agar	20 ml/plate; 20/sleeve	21-40S60
Used for isolating, cultivating and enumerating molds and yeasts.		
Mannitol Salt Agar		
Used for the selective isolation and enumeration of staphylococci. Conforms with specifications of <i>The United States Pharmacopeia (USP)</i> .		
	20 ml/plate; 10/sleeve	51-40S010
	20 ml/plate; 20/sleeve	21-40S64
mEI Agar	60 mm plates; 10/sleeve	21-40S203
A selective culture medium used for the chromogenic detection and enumeration of enterococci in water by the single-step membrane filtration technique. Conforms with USEPA Approved Method 1600: <i>Enterococci in Water by Membrane Filtration Using membrane-Enterococcus Indosyl-β-Glucoside Agar (mEI)</i> .		
m Endo Agar LES		
Used for enumerating coliforms in water by membrane filtration.		
	60 mm plates; 10/sleeve	21-40S218
	20 ml/plate; 10/sleeve	21-40S80
mFC Media		
mFC Agar and mFC Broth Base are used with Rosolic Acid in cultivation and enumerating fecal coliforms by the membrane filter technique at elevated temperatures.		
Plates	50 mm plates; 10/sleeve	21-40S206
Broth	10.5 ml /tube; 10 or 100/box	26-635
Middlebrook 7H10 Agar		
Used for the isolation and cultivation of mycobacteria.		
Plates	20 ml/plate; 20/sleeve	21-40S67
Bi-plates	20/sleeve	21-40S285
Tri-plates	20/sleeve	21-40S234
Slant	10/box	22-105
Minimal Glucose Agar		
For use in the Ames Salmonella mutagenicity assay. Prepared as described by Maron and Ames (Mutat. Res., 113: 173, 1983); VBE, 2% glucose.		
Plates	30 ml/plate; 20/sleeve	21-400.2
Plates	30 ml/plate; 500/case	21-400.5
6 Well Plates	5 ml/well, 2 plates/sleeve	21-40S19
12 Well Plates	3 ml/well, 2 plates/sleeve	21-40S18
24 Well Plates	1 ml/well, 0.4% glucose, 2 plates/sleeve	21-40S72
Custom Plates	to your specification	21-40SXX

MOLTOX® Minimal Glucose Agars

Agar		Volume (ml)	Glucose			Plate Stacking Ring		Salts	Comments	Part #
Type	% Conc		%	AC	Filt.	No	Yes			
Bacto	1.5	30	2	X		X		VBE	Standard Ames recipe	21-400
Bacto/BBL	1.5	25	0.2		X		X	VBE	50% each agar	21-40S1C
Oxoid No.1	1.5	30	2	X			X	VBE		21-40S2
Bacto	1.5	30	0.2					Davis		21-40S3
BD Granulated	1.5	30	0.2	X			X	VBE		21-40S5
Bacto	1.5	30	0.4	X		X		VBE		21-40S10
Noble	1.5	25	2	X		X		VBE		21-40S17
Bacto	1.5	3	2	X		*	*	VBE	*12 well plates	21-40S18
Bacto	1.5	5	2	X		*	*	VBE	*6 well plates	21-40S19
Bacto	1.5	25	2	X		X		VBE		21-40S21
Oxoid	1.5	30	2		X		X	VBE		21-40S23
BBL Select	1.5	25	0.25	X		X		VBE		21-40S26
Bacto	1.5	20	0.4		X	X		VBE		21-40S29
Bacto	1.5	25	0.25	X		X		VBE		21-40S33
BD Granulated	1.5	25	0.25	X		X		VBE		21-40S34
Bacto	1.5	5	2	X		*	*	VBE	*6 well plates	21-40S41
Bacto	1.5	7	2	X		*	*	VBE	*6 well plates	21-40S42
Bacto	1.5	30	0.4		X	X		VBE		21-40S44
GelRite	1.0	30	0.2	X		X		VBE		21-40S47
Bacto	1.5	25	2	X			X	VBE		21-40S51
Oxoid No.1	1.5	30	2	X		X		VBE		21-40S58
Bacto	1.5	30	2	X		*	*	VBE	*glass Petri plate	21-40S59
Bacto	1.5	28	0.4	X			X	VBE		21-40S65
Bacto	1.5	20	1	X			X	VBE		21-40S71
Bacto	1.5	1	0.4	X		*	*	VBE	*24 well plates	21-40S72
BBL Select	1.5	25	0.25	X			X	VBE		21-40S113
Bacto	1.5	5	0.5		X		*	VBE	*6 well plates	21-40S258
Bacto	1.5	30	2	X		X		VBE		21-40S262
Bacto	1.5	30	0.5	X		X		VBE		21-40S276
Bacto	1.5	2	0.4	X		*	*	VBE	*24 well plates	21-40S283
Bacto	1.5	5	0.4	X		*	*	VBE	*6 well plates	21-40S284

PRODUCT	SIZE	PART #
Mitus Salivarius Agar	20 ml/plate; 10/sleeve	51-40S013
For isolating <i>Streptococcus mitis</i> , <i>S. salivarius</i> and enterococci, particularly from grossly contaminated specimens.		
Mueller Hinton Agar	20ml/plate; 10/sleeve	51-40S055
Recommended for antimicrobial disc diffusion susceptibility testing of common, rapidly growing bacteria by the Bauer-Kirby method, as standardized by the Clinical and Laboratory Standards Institute™ (CLSI). Complies with requirements of the World Health Organization and is specified in the FDA <i>Bacteriological Analytical Manual</i> for food testing.		
Mueller Hinton II Broth (Cation adjusted)	500 ml/bottle	26-617
Used in quantitative procedures for susceptibility testing of aerobic and facultatively anaerobic bacteria isolated from clinical specimens.		
Middlebrook 7H10 w/OADC Enrichment Agar	20 ml/plate; 20/sleeve	21-40S67
Used in qualitative procedures for the isolation and cultivation of mycobacteria.		
Modified Clostridial Broth	100 ml/bottle	26-577
A semi-solid medium for the enumeration and cultivation of clostridia and other anaerobes occurring in food and pathological specimens.		
Nutrient Agar		
For the cultivation of bacteria and for the enumeration of organisms in water, sewage, feces and other materials.		
	Plates	20 ml/plate; 10/sleeve
	Plates (Oxoid No. 2)	30 ml/plate; 10/sleeve
	Plates (Heavy Fill)	45 ml/plate; 10/sleeve
	Slants	10 ml/tube; 10 or 100/box
Nutrient Broth (BD)		
For the cultivation of nonfastidious microorganisms.		
	Tubes	9 ml/tube; 10 or 100/box
Nutrient Broth, Oxoid No. 2		
For culture of <i>S. typhimurium</i> and <i>E. coli</i> strains. Prepared as described by Maron and Ames (Mutat. Res., 113: 173, 1983)		
	100 ml/bottle	26-505.1
	300 ml/bottle	26-505.3
Nutrient Broth, Oxoid No. 2. with VBE salts		
For culture growth of <i>S. typhimurium</i> Ames strains and <i>E. coli</i> WP2.		
	300 ml/bottle	26-555.3
	500 ml/bottle	26-555.5
Phytone Yeast Extract Agar		
Used for the selective isolation of dermatophytes, particularly <i>Trichophyton verrucosum</i> , and other pathogenic fungi from routine clinical specimens.		
	200 ml/bottle	51-40S048
	500 ml/bottle	51-40S049
Plate Count/Standard Methods Agar		
Also known as Tryptone Glucose Yeast Agar. Used for obtaining microbial plate counts from milk and dairy products, foods, water and other materials of sanitary importance.		
	Plates	25 ml/plate; 20/sleeve
	Bottles	400 ml/bottle
		21-40S46
		26-521

PRODUCT	SIZE	PART #
Potassium Tellurite Agar		
For the cultivation and differentiation of <i>Enterococcus faecalis</i> .		
	20 ml/plate; 20/sleeve	21-40S91
	Tubes; 10/box	22-113
Potato Dextrose Agar		
Used for the cultivation and enumeration of yeasts and molds. Conforms with specification of <i>The United States Pharmacopeia (USP)</i> . Recommended by the American Public Health Association for plate counts of yeasts and molds in the examination of foods and dairy products. Recommended in the <i>USP</i> for use in the performance of Microbial Limit Tests.		
	20 ml/plate; 10/sleeve	51-40S036
	20 ml/plate; 20/sleeve	21-40S52
	Contact plates; 10/sleeve	51-40S131
Potato Dextrose Agar, low pH (3.5)		
	20 ml/plate; 20/sleeve	21-40S32
Used for the cultivation and enumeration of yeasts and molds. The low pH inhibits bacterial growth. Conforms with specification of <i>The United States Pharmacopeia (USP)</i> . Recommended by the American Public Health Association for plate counts of yeasts and molds in the examination of foods and dairy products. Recommended in the <i>USP</i> for use in the performance of Microbial Limit Tests.		
Potato Dextrose Agar w/ Chlortetracycline & Chloramphenicol		
	20 ml/plate; 10/sleeve	21-40S74
Used for the cultivation and enumeration of yeasts and molds. The low pH, chlortetracycline and chloramphenicol inhibit microbial growth.		
Potato Starch Agar		
	20 ml/plate; 20/sleeve	21-40S192
Used in qualitative procedures for the differentiation of <i>Nocardia</i> species. Part of a set of <i>Nocardia</i> Differentiation Media (Casein Agar, Tyrosine Agar, Xanthine Agar, & Starch Agar).		
Pseudomonas Agar F		
	10 plates/sleeve	21-40S77
Used for the differentiation of fluorescein and pyocyanin producing <i>Pseudomonas</i> .		
Pseudomonas Agar P		
	10 plates/sleeve	21-40S75
Used for the differentiation of fluorescein and pyocyanin producing <i>Pseudomonas</i> .		
R2A Agar		
Used for enumerating heterotrophic organisms in treated potable water.		
	20 ml/plate; 10/sleeve	51-40S081.140
	20 ml/plate; 20/sleeve	21-40S13
Rappaport-Vassiliadis R10 Broth		
	10 ml/tube; 10/box	22-138.010
Used in the cultivation and recovery of <i>Salmonella</i> from various samples.		
Reinforced Clostridial Agar		
Used for cultivating and enumerating clostridia, other anaerobes, and other species of bacteria. A non-selective enrichment medium that grows various anaerobic and facultative bacteria when incubated anaerobically.		
	20 ml/plate; 10/sleeve	21-40S145
	100 ml/bottle	26-612
Rose Bengal Agar		
Used to isolate and enumerate yeasts and molds. Recommended for the enumeration of yeasts and molds. Contains Chloramphenicol (also known as Antimicrobial Supplement C).		
	Contact plates; 10/sleeve	21-40S68
	20 ml/plate; 10/sleeve	21-40S48
	20 ml/plate; 20/sleeve	21-40S63

PRODUCT

SIZE

PART

Sabouraud Dextrose Agar

General-purpose medium for the cultivation of pathogenic and nonpathogenic fungi. Recommended in the *USP* for use in performing total combined mold and yeast counts (Microbial Limit Tests).

Plates	20 ml/plate; 20/sleeve	21-40S53
Slants	10 ml/tube; 10 or 100/box	22-106
w/ Chloramphenicol - Plates	27 ml/plate; 10/sleeve	21-40S277.140
w/ Chloramphenicol - Contact Plates	10/sleeve	21-40S48
w/ Chloramphenicol - Slants	10 ml/tube; 10 or 100/box	22-112
w/ Lecithin & Tween 80 - Plates	20 ml/plate; 10/sleeve	21-40S101

Sabouraud Dextrose Broth w/ Chloramphenicol

100 ml/bottle 26-708

General-purpose medium for the cultivation of pathogenic and nonpathogenic fungi.

Salmonella Shigella Agar

20 ml/plate; 10/sleeve 51-40S011

Moderately selective media used in the isolation of pathogenic enteric Salmonella.

Skim Milk 15%

50 ml/bottle 21-40S50

Used for preparing microbiological cultures and differentiation of microorganisms based on coagulation and proteolysis of casein.

ST QUAD PC™

5 plates/sleeve 21-200

For phenotypic confirmation of *S. typhimurium* Ames strains. Tests for histidine auxotrophy, pKM101, pAQ1 and *rfa*.

Tetrathionate Brilliant Green

10 ml/tube; 10/box 22-104

A selective enrichment medium used in the isolation of Salmonella from food, feces, and other materials of sanitary importance.

Tomato Juice Agar

20 ml/plate; 20/sleeve 21-40S90.141

Used for cultivating and enumerating *Lactobacillus* species.

Tomato Juice Broth

100 ml/bottle 26-584

Used for cultivating yeasts and other aciduric microorganisms.

Top Agar

Used to overlay materials onto plated agar. Requires supplementation with histidine/biotin if used with Minimal Glucose Agar and *S. typhimurium* Ames strains.

100 ml/bottle	26-501.1
250 ml/bottle	26-501.25
300 ml/bottle	26-501.3
600 ml/bottle	26-501.6

Triple Sugar Iron Agar

Used to differentiate gram-negative enteric bacilli based on the fermentation of carbohydrates and hydrogen sulfide production.

Slants 10 ml/tube; 10/box 22-109.010H

Tryptic Soy Agar

Specified as Soybean-Casein Digest Agar Medium in the *USP*. Used for the isolation and cultivation of nonfastidious and fastidious microorganisms.

Plates	Contact plates; 10/sleeve	51-40S078
	20 ml/plate; 20/sleeve	21-40S54
	30 ml/plate; 10/sleeve	21-40S259.140
Tubes	10 ml/tube; 10 or 100/box	22-107
	45 ml/tube; 10/box	22-144.031

PRODUCT

SIZE

PART

Tryptic Soy Agar w/Lecithin and Tween 80

For the detection and enumeration of microorganisms present on surfaces of sanitary importance.

Contact plates; 10/sleeve	21-40S108
20 ml/plate; 10/sleeve	21-40S100

Tryptic Soy Agar w/ 5% Sheep's Blood

Used for cultivating fastidious microorganisms and for the visualization of hemolytic reactions produced by many bacterial species.

20 ml/plate; 10/sleeve	51-40S003
20 ml/plate; 20/sleeve	21-40S61
10 ml/tube; 10 or 100/box	22-110

Tryptic Soy Broth

General Purpose medium for the cultivation of fastidious and nonfastidious microorganisms.

Tubes	3 ml/tube; 10 or 100/box	22-114
	10 ml/tube; 10 or 100/box	22-127
	20 ml/tube; 10/box or 100/box	22-125
	25 ml/tube; 10 or 100/box	22-126
	30 ml/tube; 10 or 100/box	22-135
Bottles	100 ml/bottle	26-607
	1000 ml/bottle	26-531
	w/ 0.5% Lecithin & 4% Tween 20 90 ml/bottle	26-625

Tryptophan Top Agar

For use with Minimal Glucose Agar and *E. coli* WP2 strains.

100 ml/bottle	26-502.1
300 ml/bottle	26-502.3

Tryptose Phosphate Broth

Used for cultivating fastidious microorganisms.

100 ml/bottle	26-615
500 ml/bottle	26-618

Tyrosine Agar

20 ml/plate; 20/sleeve	21-40S191
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Used in qualitative procedures for the differentiation of *Nocardia* species. Part of a set of *Nocardia* Differentiation Media (Casein Agar, Tyrosine Agar, Xanthine Agar, & Starch Agar).

V8 Agar

Used for the sporulation of various fungi.

20 ml/plate; 20/sleeve	21-40S49
10 ml/tube; 10/box	22-103

Violet Red Bile Agar

Used for enumerating coliform organisms in dairy products.

Contact Plates; 10/sleeve	21-40S260
20 ml/plate; 10/sleeve	51-40S090

Violet Red Bile Glucose Agar

20 ml/plate; 20/sleeve	21-40S56
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Used in the detection and enumeration of Enterobacteriaceae in dairy and other foods.

XLD Agar

20 ml/plate; 10/sleeve	51-40S016
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A moderately selective medium used in the isolation and differentiation of enteric pathogens, mainly *Shigella* species.

Yeast Malt Agar

Used to cultivate yeasts, molds, and other aciduric microorganisms.

Contact Plates; 10/sleeve	21-40S114
20 ml/plate; 20/sleeve	21-40S88

Multi-Section Plates

PRODUCT

SIZE

PART #

Bismuth Sulfite/Brilliant Green/XLD Tri Plate

10 plates/sleeve

21-40S73

Used for the differentiation and isolation of Enterobacteriaceae.

Bismuth Sulfite – Used for isolating *Salmonella* spp., particularly *S. typhi*.

Brilliant Green – Used for isolating *Salmonella*.

XLD – Used for isolating and differentiation of enteric pathogens, especially *Shigella* species

Pseudomonas P & F Agar Bi Plates

10 plates/sleeve

21-40S79

Used for the differentiation of fluorescin and pyocyanin producing *Pseudomonas*.

Pseudomonas P – Also known as Tech Agar; used for enhancement of pyocyanin production by *Pseudomonas*.

Pseudomonas F – Also known as Flo Agar; used for the enhancement of fluorescin production.

Pseudomonas P, Pseudomonas F, Cetrimide Agar Tri Plates

10 plates/sleeve

21-40S94

Used for the selective isolation, differentiation, and identification of *Pseudomonas sp.*

Pseudomonas P – Also known as Tech Agar; used for enhancement of pyocyanin production by *Pseudomonas*.

Pseudomonas F – Also known as Flo Agar; used for the enhancement of fluorescin production.

Cetrimide – Also known as Pseudosel™ Agar. Used for the selective isolation and identification of *Pseudomonas aeruginosa*.

Cetrimide/Mannitol Salt/MacConkey Tri Plates

10/sleeve

21-40S78

Cetrimide – Used in the selective isolation and identification of *Pseudomonas aeruginosa*.

Mannitol Salt – Used for the selective isolation and enumeration of staphylococci.

MacConkey – Used for isolating and differentiating lactose-fermenting from lactose-nonfermenting gram-negative enteric bacilli.

Reagents/Buffers

PRODUCT	SIZE	PART #
Butterfields Phosphate Buffer, pH 7.2	9 ml/tube; 10/box and 100/box	22-120
	1000 ml/bottle	26-622
Glucose, 3%	500 ml/bottle	26-643.047
Glucose, 20%	500 ml/bottle	26-538
	700 ml/bottle	26-542
Glycine Buffer, 0.2 M, pH 2.8	500 ml/bottle	26-533
Histidine/Biotin, 0.5 mM	100 ml/bottle	26-700
L-Tryptophan, 0.5 mM	100 ml/bottle	26-701.1
Magnesium Chloride, 0.25 M	50 ml/bottle	26-646
MgCl₂, 0.4 M /KCl, 1.65 M	10 ml/bottle	26-512.010
	20 ml/bottle	26-512.020
Magnesium Sulfate, 10 mM	1000 ml/bottle	26-601
NaCl, 1.0 M, pH 8.3	1000 ml/bottle	26-574
NaCl, 2.0 M	1000 ml/bottle	26-568
NaHCO₃, 0.2 M /0.5 M NaCl Buffer, pH 8.3	1000 ml/bottle	26-535
Potassium Chloride, 0.8 M	5 ml/tube; 10/box	22-111
	10 ml/tube; 10/box and 100/box	22-128
Potassium Chloride, 1 M	50 ml/bottle	26-645
Saline Solution, Sterile, 0.9%	20 ml/tube; 100/box	22-143
	1000 ml/bottle	51-40S022
Sodium Acetate Buffer, 0.1 M, pH 4.0	1000 ml/bottle	26-573
Sodium Butyrate, 500 mM	1000 ml/bottle	26-578
Sodium Phosphate Buffer, 0.1 M, pH 7.4	100 ml/bottle	26-510.039
	500 ml/bottle	26-510.047
Sodium Phosphate Buffer, 1 M, pH 7.4	50 ml/bottle	26-588
Sodium Phosphate Buffer, 2.0 M, pH 7.4	500 ml/bottle	26-516.5
Sterile Distilled Water, pH 5.5-7.0	15 ml/tube; 10/box	22-140
Sucrose, 20%	1000 ml/bottle	26-585
Tris-HCl, 20 mM, pH 8.6	1000 ml/bottle	26-566
Tris-HCl, 40 mM, pH 8.6	1000 ml/bottle	26-569
Tris-HCl, 1.0 M, pH 9.0	1000 ml/bottle	26-534

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