

## Acumedia® Dehydrated Culture Media









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### Introduction

**Since 1978,** Acumedia has been recognized as a premier manufacturer of high-quality dehydrated culture media (DCM) for industrial, pharmaceutical, biotech, food safety and life science applications. DCM and related products are all that Acumedia does. We are highly focused upon and firmly committed to providing quality DCM products, technical support, and personalized customer service. Acumedia produces more than 240 catalog formulations, and well over 200 custom formulated and packaged products.

Acumedia is a subsidiary of Neogen Corporation, a world leader in rapid diagnostic systems for bacteria, toxins, allergens, drugs, and other important diagnostic areas. Founded in 1982, Neogen (Nasdaq: NEOG, www.neogen.com) has grown to more than 1,000 employees, with corporate headquarters in Lansing, Mich., and multiple U.S. and international locations. Neogen further supports its worldwide customer base with facilities in Scotland, Mexico, Brazil, China, India and distributors throughout the world.



#### **Experienced and Flexible**

Acumedia's highly flexible operations are performed by professionals with more than 150 years of experience in developing and manufacturing DCM. This expertise, combined with Acumedia's commitment to cGMPs, ensures the consistent lot-to-lot performance of our product—including quality DCM, yeast extracts, peptones, and hydrolysates.

Through our modern manufacturing facility in Lansing, Acumedia offers high-value DCM of consistent quality, as well as professional service to our customers. We have the manufacturing capacity to produce for high-volume, large-scale industrial applications, yet are able to produce specific custom formulation needs as small as 50 kg batches.



#### **Custom Media Capabilities**

Applications of DCM are becoming more specialized, requiring the media to be optimized for performance. Acumedia develops custom formulas under confidentiality agreements to meet a wide variety of customer-specific performance criteria. With our experienced R&D team and flexible operations, Acumedia can supply custom formula samples in weeks instead of months.

#### **Professional Service**

Working in collaboration with our customers, Acumedia is fully committed to maintaining the inventory necessary to fill our customers' needs. Having our varied media products in stock and continuously available for same-day and next-day shipments is what our customers have come to expect from us, and what we expect from ourselves. Should questions arise about the correct usage of any of our products, we stand behind them with professional technical support.

#### **Only the Best Ingredients**

Using only ingredients from qualified vendors, Acumedia's raw ingredients must pass stringent QC analyses before they are milled and blended. Acumedia ensures consistent lot-to-lot performance by requiring that its products exceed a variety of quality measures, from the time it arrives in raw form, throughout production, and prior to shipment to our customers.

#### **ISO-9001** and Regulatory Compliant

Acumedia takes pride in its ISO-9001 quality certification, and supplies extensive documentation to meet even the most intensive regulatory needs. Certificates of Analysis are available for every formula and lot number of DCM available from Acumedia. Acumedia operates under cGMPs and is registered under the FDA as a medical device manufacturer. Acumedia sources bovine components only from designated BSE/TSE-free countries.



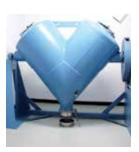
#### **The Best Value**

Acumedia is committed to being the industry leader in service, while maintaining our reputation as a producer of high-quality DCM and related products. Acumedia provides products of the greatest value by supplying:

- Custom packaging options to reduce customer labor expense
- Media with consistent performance
- Availability
- Knowledgeable, attentive and cooperative customer and technical service

Our goal is to provide quality, service and value unmatched in the DCM industry. Give us a call to see what we can do for you.

















### **General Information**

#### **Orders**

Orders may be placed by telephone, fax, or on our web site at www.neogen.com.

#### **Shipments**

F.O.B. Lansing, Michigan

#### **Pricing**

Current prices are subject to change without notice.

#### **Terms**

Payment terms are net 30 days. A finance charge of 1.5% per month will be assessed on past due accounts.

#### Ordering

#### **USA and Canada:**

Neogen Headquarters 620 Lesher Place, Lansing, MI 48912 USA 800-234-5333 or 517/372-9200 Fax: 800/875-8563 or 517/372-2006 foodsafety@neogen.com • www.neogen.com

#### **Mexico and Latin America:**

Neogen Latinoamérica Darwin No. 83, Col. Anzures, México, 11590 D.F. (55) 5254-8235, (55) 5203-0111, (55) 5531-2837 Fax: (55) 5531-1647

informacion@neogenlac.com • www.neogen.com

#### **Europe, Middle East and Africa:**

Neogen Europe
The Dairy School, Auchincruive, Ayr
KA6 5HW Scotland, UK
+ 44 (0) 1292 525 600
Fax: + 44 (0) 1292 525 601
info\_uk@neogeneurope.com • www.neogeneurope.com

#### Brazil:

Neogen do Brasil

Rua: Alberto Guizo 760, Distrito Industrial João Narezzi, Indaiatuba – SP Brasil, Cep: 13.347-402 Tel: +55 19 3935.3727

info@neogendobrasil.com.br • www.neogen.com

**International:** For ordering Acumedia outside of the regions listed above, please refer to the distributor contact information that appears at the right, or contact Neogen at:

Neogen Corporation 620 Lesher Place Lansing, MI 48912 USA

Phone: 517/827-4279 Fax: 517/372-9027

Email: foodsafety@neogen.com

#### Acumedia Manufacturers, Inc.

740 E. Shiawassee St. Lansing, MI 48912

#### **Technical Service**

Technical assistance is available on media-related problems by calling **800/234-5333** (USA/Canada) or 517/372-9200. Ask for Acumedia Technical Assistance.

#### **Product sizes**

Our products are available in the following sizes:

500 g (Product number xxxxA) 2 kg (Product number xxxxB) 10 kg (Product number xxxxC)

Example: Tryptic Soy Broth, 500 g = 7164A

#### **Custom Blending and Other Culture Media**

Please inquire into availability of other culture media and our specialty custom-blending service.

#### **Merchandise Ordered in Error**

All returns of Acumedia labelled products must be accompanied by a Return Material Authorization number. Only unopened Acumedia products may be considered for return. Authorized material returns may be subject to a 25% restocking fee. All shipping costs will be paid by the customer. UNAUTHORIZED RETURNS CANNOT BE ACCEPTED.

#### Certificates of Analysis, Certificates of Origin and Material Safety Data Sheets

Certificates of Analysis, Certificates of Origin and Material Safety Data Sheets are available upon request by contacting Acumedia's Customer Service Department and at www.neogen.com.

**Discounts:** For large quantity purchases, further discounts are available.

#### **International Distributor Contact Information**

Please contact Neogen for your distributor contact information.

Acumedia Manufacturers, Inc. ("we" or "us") warrants standard (noncustom blended) products purchased from us or from one of our authorized resellers to be free from defects in materials and workmanship, when stored under conditions specified by us and given normal, proper and intended usage, until the expiration of their stated shelf life, or, if none is stated, for one year from the date of delivery of the product to the original end-user purchaser ("Buver"). With respect to any products which are custom blended for Buyer, we warrant only the accuracy of the formulation; otherwise such products are provided on an "AS IS" basis. Without limiting the generality of any of the other provisions of this limited warranty, we do not warrant the performance specifications of any custom blended products or that such products are merchantable or fit for any particular purpose. This limited warranty for standard and custom blended products extends only to the original end-user Buyer. This limited warranty does not extend to any product not purchased directly from us or from our authorized resellers. This limited warranty does not extend to any product which is not in our original container.

Buyer must notify us of any product which it believes to be defective during the warranty period. At our option, Buyer must return such product, transportation and insurance prepaid, to our designated facility for examination and testing. During the warranty period we will, at no additional charge, at our option, replace a defective product (or, solely to the extent permitted by applicable law, augment a defective non-medical product) and will promptly return such product to Buyer, transportation and insurance prepaid. Should our examination and testing not disclose any defect covered by this limited warranty, we will advise Buyer and dispose of or return the product in accordance with Buyer's instructions and at Buyer's sole expense. All exchanged products become our property. If after reasonable efforts we are unable to replace a defective product (or, solely to the extent permitted by applicable law, augment a defective nonmedical product), Buyer's sole remedy shall be a refund of the purchase price of the product. Please contact us at the address/telephone shown on page 4 for any additional warranty information.

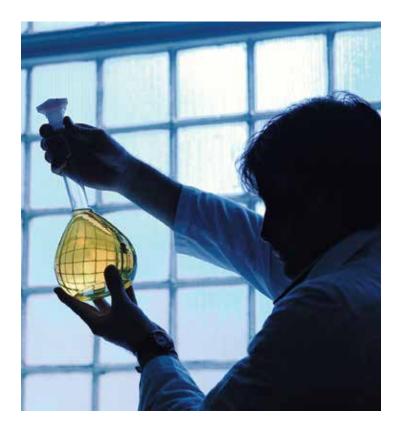
We shall not have any obligation under this limited warranty to make replacements which result, in whole or in part, from (a) catastrophe, fault or negligence of Buyer or anyone claiming through or on behalf of Buyer, or (b) improper storage, handling or use of the product, or (c) use of the product in a manner for which it was not designed, or (d) use in combination with other media products not manufactured or sold by us, or (e) modification or alteration of the product, or (f) other causes external to the product.

We warrant any replaced (or to the extent permitted by applicable law, augmented) product to be free from defects in materials and workmanship, when stored under conditions specified by us and given normal, proper and intended usage, until the later of 90 days after such replacement or augmentation, or the expiration of the original warranty period applicable to the product.

THE PROVISIONS OF THIS LIMITED WARRANTY ARE EXCLUSIVE AND ARE EXPRESSLY IN LIEU OF ANY OTHER WARRANTY, WHETHER EXPRESSED OR IMPLIED, WRITTEN OR ORAL (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR

FREEDOM FROM THIRD PARTY INTELLECTUAL PROPERTY RIGHTS OR CLAIMS). Where applicable, if Buyer qualifies as a "consumer" under the Magnuson-Moss Act, then Buyer may be entitled to any implied warranties allowed by law for the period of the expressed warranties as set forth above. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

WE NEITHER ASSUME NOR AUTHORIZE ANY EMPLOYEE, AGENT, DISTRIBUTOR OR OTHER PERSON OR ENTITY TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE MANUFACTURE, SALE, SUPPLY OR USE OF THE PRODUCT. OUR LIABILITY ARISING OUT OF THE MANUFACTURE, SALE OR SUPPLY OF THE PRODUCT OR ITS USE OR DISPOSITION, WHETHER BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE, SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY BUYER FOR THE PRODUCT. IN NO EVENT SHALL WE BE LIABLE TO BUYER OR ANY OTHER PERSON OR ENTITY FOR SPECIAL. INCIDENTAL. CONSEQUENTIAL, INDIRECT OR EXEMPLARY DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, GOODWILL, DATA OR USE DAMAGES) ARISING OUT OF THE MANUFACTURE, SALE, SUPPLY OR USE OF THE PRODUCT. THE FOREGOING WARRANTIES EXTEND TO BUYER ONLY AND SHALL NOT BE APPLICABLE TO ANY OTHER PERSON OR ENTITY INCLUDING, WITHOUT LIMITATION, CUSTOMERS OF BUYER. Some iurisdictions do not allow the exclusion or limitation of special, incidental. consequential, indirect or exemplary damages or the limitation of liability to the actual purchase price paid for the product, so the above limitations may not apply to you. This limited warranty gives Buyer specific legal rights, and Buyer may also have other rights which vary from jurisdiction to jurisdiction.



### **Dehydrated Culture Media & Other Ingredients**

Prod. No.

**Product** 

Prod. No.

rivuut	riou. No.	riouuci	riou. No.
<b>2xYT Medium</b> For the cultivation of recombinant strains of <i>Escherichia coli</i> .	7281	Bile Esculin Agar For the selective isolation and differentiation of Group D strep	7249 otococci.
<b>A-1 Medium</b> For the detection of coliform microorganisms in water and food	7601 I.	Bile Esculin Azide Agar For the selective isolation and differentiation of Group D strep	7133 otococci.
Acutone PPLO Broth without CV (Non-animal) An animal-origin free formulation used for the cultivation of Mycopla	<b>7742</b> <i>Isma</i> spp.	Bile Salts Mixture No. 3 Mixture of bile salts for use in preparing microbiological cultu	<b>7230</b> ire media.
Acutone TPB (Non-animal) Used for the cultivation of a wide variety of fastidious microorga This product is completely free of animal-origin components.	<b>7733</b> nisms.	Bismuth Sulfite Agar For the selective isolation of Salmonella spp.	7113
Acutone TSB (Non-animal) Used for the cultivation of a wide variety of microorganisms. Acu		Blood Agar Base No. 2 For use with blood for the isolation and cultivation of a wide very fastidious microorganisms.	7266 variety of
TSB is completely free of animal-origin components and is in cowith United States and European Pharmacopeia testing methodo stated for Tryptic Soy Broth.		Blood Agar Base, Improved For use with blood for the isolation and cultivation of a wide very fastidious microorganisms.	7268 variety of
<b>Agar, Bacteriological</b> Solidifying agent for use in preparing microbiological culture m Conforms to USP/EP Pharmacopeia.	7178 edia.	Brain-Heart Infusion Agar For the cultivation of a wide variety of fastidious microorganis	7115 sms.
<b>Agar, Select</b> Solidifying agent for use in preparing microbiological culture m	<b>7558</b> edia	Brain-Heart Infusion Broth For the cultivation of a wide variety of fastidious microorganis	7116 sms.
where extraneous matter, pigmented portions and salts have be reduced to a minimum. Conforms to US Pharmacopeia (USP).	een	Brain-Heart Infusion Solids Dehydrated infusion of porcine brains and hearts for use in posicrobiological culture media.	<b>7262</b> reparing
<b>Agar, Technical</b> Solidifying agent for use in preparing microbiological culture m where specifications include good clarity and relatively free of inhibitors. Conforms to US Pharmacopeia (USP).		Brilliant Green Agar For the selective isolation of <i>Salmonella</i> spp.	7117
APT Agar For the cultivation of heterofermentative lactobacilli.	7302	Brilliant Green Agar with Sulfadiazine For the selective enrichment of Salmonella spp.	7310
Azide Dextrose Broth For use in the detection of fecal streptococci in water, sewage.	7315	Brilliant Green Agar with Sulfapyridine For the selective enrichment of Salmonella spp.	7299
milk.		Brilliant Green Bile Broth 2% For the detection of coliform bacteria in water, food, and dair	7119 y products.
<b>Bacillus Cereus Agar Base</b> For use with polymyxin B and egg yolk suspension for the isola presumptive identification of <i>Bacillus cereus</i> .	7442 Ition and	Brucella Agar For the cultivation of <i>Brucella</i> spp. and other fastidious micro	7120 organisms.
<b>Baird Parker Agar</b> For the detection and enumeration of <i>Staphylococcus aureus</i> in	7112 n foods.	Brucella Broth For the cultivation of <i>Brucella</i> spp. and other fastidious micro	7121 organisms.
<b>BCYE Agar Base</b> For the isolation of <i>Legionella</i> spp.	7728	Buffered Listeria Enrichment Broth For the selective enrichment of <i>Listeria</i> spp.	7579
<b>Beef Extract Powder</b> Dehydrated extract of bovine tissue for use in preparing microb culture media.	7228 piological	Buffered Listeria Enrichment Broth Base FDA recommended formula used with supplements for the se enrichment of <i>Listeria</i> spp.	7675 elective
Beta-SSA Agar	7336	Buffered Peptone Water	7418

7191

For the non-selective pre-enrichment of Salmonella spp. from foods.

**BIGGY Agar** 

For use with blood for the selective isolation of Group A streptococci.

For the isolation and differentiation of *Candida* spp.

**Product** 

<b>Buffered Peptone Water (ISO)</b> For the non-selective pre-enrichment of <i>Salmonella</i> spp. from foo Conforms to BS EN ISO 6579:2002	<b>7417</b> ods.	<b>Columbia Blood Agar Base</b> For use with blood for the isolation and cultivation of a wide variety fastidious microorganisms.	<b>7125</b> y of
<b>Buffered Peptone Water, Modified with Pyruvate</b> Used for the isolation of <i>Enterohemorrhagic E. coli</i> (EHEC).	7736	<b>Columbia Broth</b> For the cultivation of a wide variety of fastidious microorganisms.	7127
Buffered Sodium Chloride-Peptone Solution, pH 7.0 The diluent specified by the Harmonized Pharmacopoeia for the	7732	Columbia CNA Agar For use with blood for the selective isolation of Gram-positive cocc	<b>7126</b> i.
microbiological examination of non-sterile products. Conforms to Harmonized USP/EP/JP Requirements.		<b>Cooked Meat Medium</b> For the cultivation of anaerobic microorganisms.	7110
<b>Campy Blood Free Selective Medium (CCDA)</b> For use with cefoperazone for the selective isolation of <i>Campylobacte</i>	<b>7527</b> <i>er</i> spp.	Corn Meal Agar For the cultivating of phytopathological fungi and production of	7350
Campy Cefex Agar For the selective isolation of cephalothin-resistant Campylobacter	<b>7718</b> rspp.	chlamydospores by <i>Candida albicans</i> .	7704
U.S. Patent 5,891,709.  Campy Selective Agar Base (Preston Modified)	7443	Used in the chromogenic differentiation of <i>E. coli</i> from other colifor in water samples using the membrane filtration method.	
For use with antimicrobics for the selective isolation of <i>Campylob jejuni</i> and <i>Campylobacter coli</i> .	acter	D/E Neutralizing Agar For the isolation of microorganisms from sanitized environmental surf	7375
Campylobacter Enrichment Broth (Bolton's) For use with antimicrobics for the selective enrichment of Campylobacter spp.	7526	-	7562
Casein Digest Peptone An enzymatic digest of casein used in preparing microbiological of media	7689 culture	For testing and neutralizing of antiseptics and disinfectants.	7705
Casman Medium Base For use with blood for the isolation of <i>Haemophilus influenzae</i> , Neisseria gonorrhoeae and other fastidious microorganisms.	7123	<b>Demi-Fraser Broth Base</b> For use with ferric ammonium citrate for the selective enrichment of Listeria spp.	<b>7656</b> of
Cetrimide Agar	7222	<b>Deoxycholate Agar</b> For the isolation and differentiation of Gram-negative enteric bacilli	7130 i.
For use in the isolation and identification of <i>Pseudomonas aerugii</i> Cetrimide Agar (Agar Medium N)	7688	<b>Deoxycholate Citrate Agar</b> For the isolation and differentiation of Gram-negative enteric bacilli	<b>7186</b> i.
Used in the isolation and identification of <i>Pseudomonas aeruginos</i> Conforms to Harmonized USP/EP/JP Requirements.	sa.	<b>Dermatophyte Test Medium</b> For the selective isolation of dermatophytic fungi.	7265
<b>Charcoal Agar</b> For the cultivation of fastidious microorganisms particularly <i>Bordo</i> pertussis.	7586 etella	<b>Dextrose</b> Used in preparing microbiological culture media.	7203
<b>CLED Agar</b> For the differentiation and enumeration of microorganisms in urin	7122 e.	<b>Dextrose Tryptone Agar</b> For isolation of mesophilic or thermophilic spoilage microorganisms in	<b>7340</b> food.
Clostridium Difficile Agar For use with cycloserine and cefoxitin for the isolation of Clostridium of	7385 lifficile.	<b>Dextrose Tryptone Broth</b> For cultivation of mesophilic or thermophilic spoilage microorganis in food.	<b>7338</b> sms
<b>Columbia Agar</b> Used with or without blood for the isolation and cultivation of a va of fastidious microorganisms.	7734 uriety	<b>Dichloran Glycerol (DG-18) Agar Base</b> For the selective isolation and enumeration of yeasts and molds from f	<b>7592</b> foods.
Conforms to Harmonized USP/EP/JP Requirements.		<b>DNase Test Agar</b> For the differentiation of microorganisms on the basis of	7129

Prod. No.

**Product** 

**Product** 

deoxyribonuclease activity.

Prod. No.

### **Dehydrated Culture Media & Other Ingredients**

Product	Prod. No.	Product	Prod. No.
<b>DRBC Agar</b> For the selective isolation and enumeration of yeasts and m	7591 nolds in foods.	Hektoen Enteric Agar For the isolation and differentiation of enteric pathogens.	7138
<b>EC Medium</b> For the detection of coliform bacteria at 37°C and <i>Escherichia</i>	<b>7206</b> a <i>coli</i> at 44.5°C.	Hemoglobin Powder Freeze-dried hemoglobin for use in preparing microbiological cu	<b>7195</b> ulture media.
EC Medium, Modified For use with novobiocin for the selective pre-enrichment of	<b>7506</b> of <i>Escherichia</i>	KF Streptococcus Agar For the isolation and enumeration of fecal streptococci.	7610
coli 0157:H7.  EC Medium, Modified with Novobiocin For the selective enrichment of Escherichia coli 0157:H7.	7700	Kligler Iron Agar For the differentiation of microorganisms on the basis of dex lactose fermentation and hydrogen sulfide production.	7140 ctrose and
EC Medium with MUG For the fluorogenic detection of Escherichia coli.	7361	Lactalbumin Hydrolysate Enzymatic digest of lactalbumin for use in preparing microbi culture media.	<b>7465</b> iological
<b>EE Broth, Mossel</b> For the cultivation and enrichment of <i>Enterobacteriaceae</i> in foo Conforms to Harmonized USP/EP/JP Requirements.	7603 od.	Lactobacilli MRS Agar For the cultivation of lactobacilli.	7543
<b>Eosin Methylene Blue Agar (Holt, Harris &amp; Teague)</b> For the isolation and differentiation of Gram-negative ente	7134 eric bacilli.	Lactobacilli MRS Broth For the cultivation of lactobacilli.	7406
<b>Eosin Methylene Blue Agar, Levine</b> For the isolation and differentiation of Gram-negative ente	7103 eric bacilli.	Lactobacillus Selective Agar Base For the isolation and enumeration of lactobacilli.	7234
Fastidious Anaerobe Agar For the cultivation of anaerobic microorganisms.	7531	Lactose Used in preparing microbiological culture media.	7231
Fluid Thioglycollate Medium For use in sterility testing. Conforms to Harmonized USP/EP/JP Requirements.	7137	Lactose Broth For the detection of coliform bacteria.	7141
Fraser Broth  For use with acriflavin, nalidixic acid, and ferric ammoniur	7626	Lauryl Sulfate Broth For the detection of coliform bacteria in water and wastewar	7142 ter.
the selective enrichment of <i>Listeria</i> spp.  Fraser Broth Base	7502	Lauryl Sulfate Broth with MUG For the detection of coliforms and the fluorogenic detection escherichia coli.	7300 of
For use with ferric ammonium citrate for the selective enricusteria spp.		Lauryl Tryptose Broth For the detection of coliform bacteria in water and wastewar	<b>7324</b> ter.
Fungisel Agar For the selective isolation of pathogenic fungi from clinica	<b>7205</b> Il materials.	LB Agar, Lennox For use in molecular genetic studies.	7289
<b>GC Agar</b> For use with hemoglobin and enrichment for the isolation at of <i>Neisseria gonorrhoeae</i> and other fastidious microorganis		LB Agar, Miller For use in molecular genetic studies.	7213
<b>Gelatin</b> Gelatin protein source and solidifying agent for use in prepare	7201	LB Broth, Lennox For use in molecular genetic studies.	7290
microbiological culture media.  GN Broth (Hajna)	7218	LB Broth, Miller For use in molecular genetic studies.	7279
For the selective enrichment of Gram-negative microorgar <b>HC Agar Base</b>	7520	<b>Legionella Agar</b> For the isolation of <i>Legionella</i> spp.	7307
For use with polysorbate 80 for the enumeration of molds	in cosmetics.	Letheen Agar Base For use with polysorbate 80 for the testing of quaternary am compounds for antimicrobial activity.	7118 imonium

For use with polysorbate 80 for the isolation of microorganisms from For the heterotrophic plate counts on potable water, recreational water, cosmetics. and other water samples by filtration method. **Letheen Agar Base with Tween** 7710 m-TEC Agar 7421 For the testing of quaternary ammonium compounds for antimicrobial For use with urea for the isolation and enumeration of thermotolerant activity. Escherichia coli from water using membrane filtration. **Letheen Broth Base** 7105 m-TGE Broth 7451 For use with polysorbate 80 for the testing of quaternary ammonium For the determination of bacterial counts using membrane filtration. compounds for antimicrobial activity. **MacConkey Agar** 7102 For the isolation and differentiation of Gram-negative enteric bacilli. Letheen Broth Base. Modified 7496 For use with polysorbate 80 for the recovery of microorganisms from Conforms to Harmonized USP/EP/JP Requirements. cosmetics. MacConkey Agar, CS 7391 For the isolation and differentiation of Gram-negative enteric bacilli Letheen Broth with Tween, Modified 7712 For the recovery of microorganisms from cosmetics. from specimens containing swarming strains of *Proteus* spp. **Listeria Enrichment Broth** 7398 MacConkey Agar without Crystal Violet 7236 For the selective enrichment of *Listeria* spp. For the isolation and differentiation of Gram-negative enteric bacilli. **MacConkey Agar without Crystal Violet and Salt Littman Agar** 7173 7378 For the isolation and cultivation of fungi. For the isolation and differentiation of Gram-negative enteric bacilli from specimens containing swarming strains of *Proteus* spp. Lowenstein-Jensen Medium 7245 For use with fresh egg and glycerol for the isolation and differentiation **MacConkey Agar with Sorbitol** 7320 of Mycobacterium spp. For the isolation of pathogenic Escherichia coli. 7211 **MacConkey Broth Lysine Iron Agar** 7185 For the differentiation of microorganisms on the basis of lysine For the detection of coliform bacteria in milk and water. decarboxylase and hydrogen sulfide production. Conforms to Harmonized USP/EP/JP Requirements. M-Broth 7296 **Malt Agar** 7456 For the cultivation of Salmonella spp. For the cultivation of fungi. 7724 **Malt Extract** 7341 m-Endo Agar For enumerating coliforms in water by the membrane filtration method. Dehydrated extract of malt for use in preparing microbiological culture media. 7723 m-Endo Broth For enumerating coliforms in water by the membrane filtration method. **Mannitol Salt Agar** 7143 For the isolation of staphylococci. m-Enterococcus Agar 7544 Conforms to Harmonized USP/EP/JP Requirements. For the selective isolation and enumeration of enterococci by membrane filtration. **Maximum Recovery Diluent (Peptone Saline Diluent)** 7658 For maintaining the viability of organisms during dilution procedures. 7397 m-FC Agar For use with rosolic acid for the detection and enumeration of fecal Middlebrook 7H11 Agar 7244 coliforms by membrane filtration. For use with glycerol and OADC enrichment for the cultivation of Mycobacterium spp. m-FC Broth 7396 For use with rosolic acid for the detection and enumeration of fecal **Milk Plate Count Agar** 7703 coliforms by membrane filtration. For the isolation and enumeration of microorganisms in milk and dairy products. m-Green Yeast and Fungi Broth 7190 For the detection of fungi in beverages. **MIO Medium** 7389

Prod. No.

7495

**Product** 

m-HPC Agar

**Product** 

Letheen Agar Base, Modified

For the differentiation of microorganisms on the basis of motility,

ornithine decarboxylase activity, and indole production.

Prod. No.

7690

### **Dehydrated Culture Media & Other Ingredients**

Product I	Prod. No.	Product	Prod. No.
Mitis Salivarius Agar For the isolation of <i>Streptococcus mitis</i> , <i>Streptococcus salivariu</i> enterococci.	<b>7277</b> <i>us,</i> and	PALCAM Agar For use with antimicrobics for the selective	
Motility Test Agar For the differentiation of microorganisms on the basis of motility	7247	PALCAM Broth For use with antimicrobics for the selective	7670 isolation of <i>Listeria</i> spp.
MRSA Agar Base For the determination of methicillin-resistant and oxacillin-resis	7420	Pancreatic Digest of Casein 2 (Peptone ( Enzymatic digest of casein used for preparing	
(heteroresistant) staphylococci.		Pancreatic Digest of Casein (Peptone C3 For use in preparing media where an enzyr	
MR-VP Broth For the differentiation of microorganisms on the basis of acid o	<b>7237</b> r	desired.	
acetylmethyl carbinol production (MR-VP Reaction).  Mueller Hinton Agar	7101	Pancreatic Digest of Gelatin (Peptone G2 Enzymatic digest of gelatin for use in prepa media.	
For use in antimicrobial susceptibility testing by the disk diffusion Conforms to CLSI (formerly NCCLS).	method.	Pancreatic Digest of Soybean Meal (Pep A highly digested hydrolysate of soybean me	
Mycobiotic Agar For the selective isolation of pathogenic fungi from clinical mat	7419 erials.	conditions for use in culture media.	
Mycological Agar For the cultivation of fungi.	7309	Papaic Digest of Soybean Meal (Peptone Enzymatic digest of soybean meal used in culture media.	
MYP Agar Base Used with supplements for the selective and differential enume  Bacillus cereus from foods. Conforms to FDA/BAM formulation.	7741 eration of	Peptic Digest of Animal Tissue (Peptone Enzymatic digest of animal tissue for use in culture media.	
National Food Laboratory Aseptic Validation Medium Used for the cultivation of mesophilic or thermophilic spoilage microorganisms in food.	7737	Peptone S, Ultrafiltered Papaic digest of soybean meal, which has in microbiological culture media where impendotoxin levels are required.	
<b>Nutrient Agar</b> For the cultivation of a wide variety of microorganisms.	7145	Peptone Water For the cultivation of non-fastidious microo	= = = = = = = = = = = = = = = = = = = =
Nutrient Agar 1.5% For the cultivation of a wide variety of microorganisms.	7286	as a basal medium for carbohydrate fermer  Phenol Red Broth Base	ntation studies.
<b>Nutrient Broth</b> For the cultivation of a wide variety of microorganisms.	7146	For use with carbohydrates for the different the basis of carbohydrate fermentation read	
Nutrient Gelatin For the differentiation of microorganisms on the basis of gelatin	<b>7471</b> nase	Phenylethanol Agar For use with blood for the selective isolatio	7147 n of Gram-positive cocci.
production.	7655	Phosphate Buffer, pH 7.2 For the preparation of microbiological diluti	7380 on blanks.
OGYE Agar Base For the isolation and enumeration of yeasts and molds.	7655	Potato Dextrose Agar	7149
Orange Serum Agar For the cultivation of aciduric microorganisms associated with	<b>7587</b> spoilage	For the cultivation of fungi. Conforms to Harmonized USP/EP/JP Requir	rements.
of products.  Oxbile (Oxgall)	7216	Potato Dextrose Broth For the cultivation of fungi.	7585
Dehydrated bile for use in preparing microbiological culture me  Oxford Listeria Agar		Potato Infusion Agar For the isolation of <i>Brucella abortus</i> .	7532
For use with antimicrobics for the selective isolation of <i>Listeria</i>			

Product P	rod. No.	Product	Prod. No.
PPLO Broth without CV For use with antimicrobics for the selective isolation of <i>Mycoplasn</i>	<b>7485</b> <i>ma</i> spp.	Sabouraud Dextrose Broth Used for the cultivation of fungi from sterile and non-ste	7617 rile products.
PPLO Broth without CV, Acutone (Non-animal) For use with antimicrobics for the selective isolation of <i>Mycoplas</i> spp. This product is completely free of animal-origin components		Conforms to Harmonized USP/EP/JP Requirements.  Salmonella Shigella Agar For the isolation of Salmonella spp. and some strains of	7152 <i>Shigella</i> spp.
<b>PPLO MIC Broth</b> Used with enrichments for the evaluation of MIC ranges for <i>Mycoplas</i>	<b>7738</b> sma spp.	Schaedler Agar For the cultivation of anaerobic microorganisms.	7153
Presence-Absence Broth For the detection of coliform bacteria in water treatment plants of distribution systems using the presence-absence coliform test.	<b>7500</b> or	Schaedler Broth For the cultivation of anaerobic microorganisms.	7154
Pseudomonas Agar Base For the selective and differential isolation of <i>Pseudomonas</i> sp. us or CFC supplementation.	<b>9222</b> sing CN	Selective Strep Agar, Modified No. 2 For use with blood for the selective isolation of Group A  Selenite Broth For the selective enrichment of Salmonella spp. from cli	7155
Pseudomonas Cepacia Agar For the selective isolation of <i>Burkholderia (Pseudomonas) cepac</i>	7458 cia.	Selenite Cystine Broth For the selective enrichment of Salmonella spp.	7283
<b>Pseudomonas Isolation Agar</b> For the isolation of <i>Pseudomonas aeruginosa</i> and other <i>Pseudomonas</i>	<b>7329</b> <i>nas</i> spp.	SIM Medium For the differentiation of microorganisms on the basis of	7221 hydrogen
<b>R2A Agar</b> For the enumeration and cultivation of bacteria from potable wa	<b>7390</b> ter.	sulfide, indole production, and motility.	
Rappaport-Vassiliadis (MSRV) Medium Semisolid	7511	Simmons Citrate Agar For the differentiation of microorganisms on the basis of c	7156 citrate utilization.
<b>Modified</b> For use with novobiocin for the rapid detection of motile <i>Salmone</i>	<i>lla</i> spp.	Skim Milk Dehydrated skim milk for use in preparing microbiologica	7352 I culture media.
Rappaport-Vassiliadis R10 Broth For the selective enrichment of <i>Salmonella</i> spp. from foods.	7512	Standard Methods Agar For the enumeration of bacteria in water, wastewater, for	7157 ood, and dairy
Rappaport-Vassiliadis <i>Salmonella</i> Enrichment Broth Used for the enrichment and selective isolation of <i>Salmonella</i> sp Conforms to Harmonized USP/EP/JP Requirements.	<b>7730</b> pp.	products. Conforms to APHA and AOAC.	
Reinforced Clostridial Medium	7714	TAT Broth For the detection of microorganisms in cosmetics and to	<b>7219</b> ppical drugs.
Used for the cultivation of anaerobes from food and clinical spec Conforms to Harmonized USP/EP/JP Requirements.	cimens.	TCBS Agar For the selective isolation of <i>Vibrio cholerae</i> and other er	7210 nteropathogenic
<b>Rose Bengal Chloramphenicol Agar</b> For the selective isolation and enumeration of yeasts and molds in	<b>7664</b> n foods.	vibrios. Tergitol 7 Agar	7187
Sabouraud Dextrose Agar For the cultivation of fungi.	7150	For the selective isolation of coliform bacteria.	
Conforms to Harmonized USP/EP/JP Requirements.		<b>Terrific Broth, Modified</b> For use with glycerol in cultivating recombinant strains of <i>E</i>	7708 Scherichia coli.
<b>Sabouraud Dextrose Agar, Emmons</b> For the cultivation of fungi.	7204	<b>Tetrathionate Broth Base</b> For use with iodine for the recovery of <i>Salmonella</i> spp.	7241
<b>Sabouraud Dextrose Agar with Chloramphenicol</b> For the selective isolation of fungi.	7306	Tetrathionate Broth Base (Hajna) Used with supplement for the isolation of Salmonella spe	<b>7740</b> ecies (except <i>S.</i>
Sabouraud Dextrose Agar with Lecithin and Tween 80 For the isolation of fungi from surfaces sanitized with quaternary	7392	<i>typhi</i> ) from fecal, urine, food and sanitary specimens.	
ammonium compounds.	,	Thioglycollate Medium without Indicator For the cultivation of anaerobic microorganisms.	7160

### **Dehydrated Culture Media & Other Ingredients**

Product P	rod. No.	Product Prod. No.
<b>Todd Hewitt Broth</b> For the cultivation of streptococci and other fastidious microorga	7161 anisms.	Tryptose 7693  An enzymatic digest of protein for use in preparing microbiological culture media.
Tomato Juice Agar For the cultivation of lactobacilli.	7349	Tryptose Agar 7347
Friple Sugar Iron Agar	7162	For the cultivation of <i>Brucella</i> spp. and other fastidious microorganisms.
For the differentiation of microorganisms on the basis of dextros actose, and sucrose fermentation and hydrogen sulfide product	se,	Tryptose Blood Agar Base For the use with blood for the isolation and cultivation of a wide variety of microorganisms.
ryptic Soy Agar	7100	·
for the cultivation of a wide variety of microorganisms.  Conforms to Harmonized USP/EP/JP Requirements.		<b>Tryptose Broth</b> For the cultivation of <i>Brucella</i> spp. and other fastidious microorganisms.
ryptic Soy Agar with Lecithin and Tween 80 or the isolation of microorganisms from surfaces sanitized with uaternary ammonium compounds.	7163 1	<b>Tryptose Phosphate Broth</b> For the cultivation of a wide variety of fastidious microorganisms.
'	7054	Tryptose Phosphate Broth, Acutone (Non-animal) 7733 For the cultivation of a wide variety of fastidious microorganisms. This
Tryptic Soy Blood Agar Base No. 2  For isolating and cultivating a wide variety of microorganisms.	7654	product is completely free of animal-origin components.
Tryptic Soy Broth	7164	Universal Beer Agar 7574
For the cultivation of a wide variety of microorganisms. Conforms to Harmonized USP/EP/JP Requirements.		For the cultivation of bacteria and yeasts encountered in the brewing industry.
<b>Tryptic Soy Broth, Acutone (Non-animal)</b> For the cultivation of a wide variety of microorganisms. This proc completely free of animal-origin components.	7729 duct is	Universal Pre-Enrichment Broth For the recovery of <i>Salmonella</i> spp. and <i>Listeria</i> spp.
Tryptic Soy Broth, Modified with Acid Digest of Casein For the selective enrichment of entrohemorrhagic <i>E.coli</i> in foods	<b>7167</b>	Urea Agar Base 7226 For the differentiation of microorganisms on the basis of urease production.
Conforms to USDA formulation with Acid Digest of Casein.		UVM Modified Listeria Enrichment Broth For the selective isolation of <i>Listeria</i> spp.
Tryptic Soy Broth, Modified with Novobiocin	7694	
Used for the selective enrichment of enterohemorrhagic <i>Escheri</i> coli in foods.	icnia	Violet Red Bile Agar 7165 For the enumeration of coliforms in food and dairy products. Conforms to APHA.
Tryptic Soy Broth, Modified with 8 mg Novobiocin and	7743	
Acid Digest Of Casein For the selective enrichment of enterohemorrhagic <i>E. coli</i> in food Conforms to USDA formulation with Novobiocin supplementation		Violet Red Bile Agar with MUG For the detection of coliforms and the fluorogenic detection of Escherichia coli. 7359
Tryptic Soy Broth, Modified with 20 mg Novobiocin and Acid Digest Of Casein For the selective enrichment of enterohemorrhagic <i>E. coli</i> in food		Violet Red Bile Glucose Agar For the enumeration of Enterobacteriaceae in foods. Conforms to Harmonized USP/EP/JP Requirements.
Conforms to USDA formulation with Novobiocin supplementation	1.	Vogel and Johnson Agar 7207
Tryptic Soy Broth with Ferrous Sulfate Used in the pre-enrichment of Salmonella for shell and liquid wh	<b>7739</b> nole	For the isolation of staphylococci.  Wilkins-Chalgren Agar 7232
eggs as described in FDA/Bacteriological Analytical Manual.		For the cultivation of anaerobic microorganisms.
<b>Tryptone</b> Enzymatic digest of casein for use in preparing microbiological o media.	7351 culture	Wilkins-Chalgren Broth For the cultivation of anaerobic microorganisms. 7233
Tryptone Glucose Extract Agar For the cultivation and enumeration of microorganisms in dairy pr	7242 oducts.	W-L Nutrient Medium 7488 For the cultivation of yeasts, molds, and bacteria encountered in brewing and industrial fermentations.

**Product** Prod. No. **XLD Agar** 7166 For the isolation and differentiation of enteric pathogens. Conforms to Harmonized USP/EP/JP Requirements. XLT4 Agar 7517 For use with Tergitol 4 for the isolation of non-typhi Salmonella spp. **Yeast Extract** Autolysate of yeast cells for use in preparing microbiological culture media. **Yeast Extract Agar** 7707 For the enumeration of microorganisms in potable and freshwater samples. **Yersinia Selective Agar** 7257 For use with cefsulodin and novobiocin for the isolation of Yersinia enterocolitica. 7525 **YM Agar** For the cultivation of yeasts, molds, and other aciduric microorganisms. **YM Broth** 7363 For the cultivation of fungi.

### **Supplements for Dehydrated Culture Media**

Product	Product No.	Package
Buffered Listeria Enrichment Supplement (FDA), 5 mL Acriflavine, 4.5 mg; Nalidixic acid, 18 mg; Cycloheximide, 22.5 mg (Each vial supplements 450 mL of Buffered Listeria Enrichment Broth Base)	7980	10 vials/pkg lyophilized
Campylobacter Supplement (Bolton's), 5 mL Cefoperazone, 10 mg; Vancomycin, 10 mg; Trimethoprim, 10 mg; Cycloheximide, 25 mg (Each vial supplements 500 mL of Campylobacter Enrichment Broth [Bolton's])	7998	10 vials/pkg lyophilized
Campylobacter Supplement (CFP), 5 mL Cefoperazone, 16 mg (Each vial supplements 500 mL of Campy Blood Free Selective Medium or Campy Cefex Agar)	7981	10 vials/pkg lyophilized
Egg Yolk Emulsion, 100 mL Chicken egg yolk and egg, 50% solution (Each bottle supplements 2 L of Baird Parker Agar)	7982	1 bottle liquid
Egg Yolk Tellurite, 100 mL Chicken egg yolk and egg, 100% solution Potassium Tellurite, 0.21 g (Each bottle supplements 2 L of Baird Parker Agar)	7983	1 bottle liquid
Fraser Broth Base Supplement, 5 mL Ferric ammonium citrate, 250 mg (Each vial supplements 500 mL of Fraser Broth Base or Demi-Fraser Broth Base)	7984	10 vials/pkg liquid
Modified Oxford Listeria Supplement, 5 mL Colistin, 10 mg; Moxalactam, 20 mg (Each vial supplements 500 mL of Oxford Listeria Agar)	7991	10 vials/pkg lyophilized
Novobiocin Supplement, 10 mL Novobiocin, 20 mg (Each vial supplements 1 L of EC Medium, Modified, 1 L of Rappaport-Vassiliadis (MSRV) Medium Semisolid, Modified, or 1 L of Tryptic Soy Broth, Modified)	7985	10 vials/pkg lyophilized
Oxford Listeria Supplement, 5 mL Cycloheximide, 200 mg; Colistin, 10 mg; Acriflavine, 2.5 mg; Cefotetan, 1 mg; Phosphomycin, 5 mg (Each vial supplements 500 mL of Oxford Listeria Agar)	7986	10 vials/pkg lyophilized
PALCAM Supplement, 5 mL Polymyxin B, 5 mg; Ceftazidime, 10 mg; Acriflavine, 2.5 mg (Each vial supplements 500 mL of PALCAM Media)	7987	10 vials/pkg lyophilized
Polymyxin B Supplement, 5 mL Polymyxin B, 50,000 IU (Each vial supplements 450 mL of MYP Agar Base or 475 mL of Bacillus Cereus Agar Base)	7997	10 vials/pkg lyophilized
Tellurite Supplement (1%) Chapman, 10 mL Potassium Tellurite, 100 mg (Each vial supplements 1 L of Baird Parker Agar or 500 mL of Vogel and Johnson Agar)	7989	10 vials/pkg liquid
Tween 80, 100 mL Polysorbate 80	7992	1 bottle liquid
XLT4 Supplement, 100 mL Tergitol 4 (27%) (4.6 mL will supplement 1 L of XLT4 Agar)	7990	1 bottle liquid

### Media Ingredients, Peptones & Hydrolysates

#### Agar, Bacteriological

Agar, Bacteriological is used as a solidifying agent in microbiological culture media where specifications include good clarity and relatively free of toxic inhibitors. Agar, Bacteriological was developed to address the needs of large scale commercial and industrial applications, where good quality is required at a competitive price. Agar, Bacteriological is useful in the biotech industry and clinical applications.

#### Agar, Select

Agar, Select is used a solidifying agent in microbiological culture media. In Agar, Select extraneous matter, pigmented portions, and salts have been reduced to a minimum. Agar, Select is often chosen in research where specifications are closely controlled and lot to lot specificity maintained. The clarity of Agar, Select in solutions and prepared in plates aids in colony identification. The gel strength is optimized at a concentration of 1.5%, permitting streaking but not tearing of plated media. Agar, Select is suitable for clinical applications.

#### **Agar, Technical**

Agar, Technical is used as a solidifying agent in microbiological culture media where specifications include good clarity and relatively free of toxic inhibitors. Agar, Technical is suitable for general bacteriological applications.

#### **Beef Extract Powder**

Beef Extract Powder is a replacement for infusion of meat, and is standard in composition and reaction. Beef Extract Powder provides nitrogen, vitamins, amino acids, and carbon in microbiological culture media.

#### **Bile Salts Mixture No. 3**

Bile Salts Mixture No. 3 is used as a selective agent for the isolation of Gram-negative microorganisms, inhibiting Gram-positive cocci. Bile is derived from the liver. Bile Salts Mixture No. 3 contains bile extract standardized to provide inhibitory properties for selective media.

#### **Brain-Heart Infusion Solids (BHI)**

Brain-Heart Infusion (BHI) Solids is composed of a dehydrated infusion of porcine brains and hearts for use in the preparation of culture media. BHI Solids provides nitrogen, amino acids, and vitamins in microbiological culture media. BHI Solids is processed from large volumes of raw material, retaining all the nutritive and growth stimulating properties of fresh tissues.

#### Casein, Acid Hydrolysate

Casein is a milk protein and a rich source of amino nitrogen. Casein, Acid Hydrolysate, a hydrochloric acid hydrolysate of casein, is added to media primarily because of the organic nitrogen and growth factor components. Casein, Acid Hydrolysate is recommended for use in microbiological cultures that require a completely hydrolyzed protein as a nitrogen source.

#### **Casein Digest Peptone**

Casein Digest Peptone, an enzymatic digest of casein, was developed for use in molecular genetic media. Casein Digest Peptone is a rich source of nitrogen, vitamins, and amino acids used in microbiological culture media. Casein Digest Peptone is derived from casein, a raw milk protein, and contains a high tryptophan content. Casein Digest Peptone is used as the nitrogen source in the formulas of NZ media.

#### **Dextrose**

Dextrose is used in microbiological culture media as an energy source to increase the growth of bacteria and fungi. Dextrose is also used in the study of fermentation reactions of microorganisms, aiding in their identification. Dextrose is generally added at 0.5 to 1.0% concentration in fermentation media.

#### Gelatin

Gelatin is a protein of uniform molecular constitution, and derived chiefly by the hydrolysis of collagen. Collagens are a class of albuminoids, found abundantly in bones, skin, tendon, cartilage, and similar tissues of animals. Gelatin is used in culture media to determine protease production by bacteria, and as a nitrogen and amino acid source in culture media.

#### **Hemoglobin Powder**

Hemoglobin Powder is freeze-dried hemoglobin for use in preparing microbiological culture media. Hemoglobin Powder is used with GC Agar to provide an enriched medium for the isolation and cultivation of fastidious microorganisms. Hemoglobin Powder provides the hemin (X factor) required for growth of *Haemophilus*, and for enhanced growth of *Neisseria* spp.

#### **Lactose**

Lactose is used in microbiological culture media as an energy source to increase the growth of bacteria and fungi. Lactose is also used in the study of fermentation reactions of microorganisms, aiding in their identification. Lactose is generally added at a 0.5 to 1.0% concentration in fermentation media.

#### **Lactalbumin Hydrolysate**

Lactalbumin Hydrolysate is an enzymatic digest of lactalbumin for use in preparing microbiological culture media. It may be used as an ingredient in tissue culture media, fermentation media, media for the growth of lactobacilli and in media for the growth of *Campylobacter* spp. It also provides nitrogen, amino acids, vitamins, and carbon in microbiological culture media.

#### **Malt Extract**

Malt Extract is obtained from barley, and designed for the propagation of yeasts and molds. Malt Extract is well suited for yeasts and molds due to a high concentration of carbohydrates, particularly maltose. This product is generally employed in concentrations of 1–10%, and provides carbon, protein, and other nutrients.

### Media Ingredients, Peptones & Hydrolysates

#### Oxbile (Oxgall)

Oxbile is manufactured from large quantities of fresh bile by rapid evaporation of the water content. Bile is composed of fatty acids, bile acids, inorganic salts, sulfates, bile pigments, cholesterol, mucin, lecithin, glycuronic acids, porphyrins, and urea. The use of Oxbile insures a regular supply of bile, and assures a degree of uniformity impossible to obtain with fresh materials. It is prepared for use in selective media for differentiating groups of bile-tolerant bacteria. Oxbile is used as a selective agent for the isolation of Gram-negative microorganisms, inhibiting Gram-positive bacteria. The major composition of Oxbile is taurocholic and glycocholic acids.

#### **Pancreatic Digest of Casein 2 (Peptone C2)**

Enzymatic digest of casein is used for preparing microbiological culture media. Pancreatic Digest of Casein 2 is used to support the growth of fastidious microorganisms, and supplies an excellent balance of di- and tri-peptides along with free amino acids.

#### **Pancreatic Digest of Casein (Peptone)**

Pancreatic Digest of Casein is enzymatically hydrolyzed casein that provides a complex nitrogen source in microbiological culture media. Casein is a rich source of amino acid nitrogen. This product is used to support the growth of fastidious microorganisms, and has a high tryptophan content.

#### **Pancreatic Digest of Gelatin (Peptone G2)**

Pancreatic Digest of Gelatin is deficient in carbohydrates and is used for preparing microbiological culture media for fermentation studies. It is also used alone to support the growth of non-fastidious microorganisms.

#### Pancreatic Digest of Soybean Meal (Peptone S1)

A highly digested hydrolysate of soybean meal prepared under controlled conditions for use in culture media. The nitrogen source in Peptone S1 contains naturally occurring, high concentrations of vitamins and carbohydrates of soybean, and is used in fermentation broths.Pancreatic Digest of Soybean Meal minimizes bovine spongiform encephalopathy (BSE) risk in vaccine production because of the plant origin of this product.

#### **Papaic Digest of Soybean Meal (Peptone S2)**

Enzymatic Digest of Soybean Meal used in preparing microbiological culture media. The nitrogen source in Peptone S2 contains naturally occurring, high concentrations of vitamins and carbohydrates. Papaic Digest of Soybean Meal is guaranteed to be free of any animal origin ingredients.

#### **Peptic Digest of Animal Tissue (Peptone A)**

Peptic Digest of Animal Tissue is an enzymatic digest of animal tissue used in preparing microbiological culture media. Peptic Digest of Animal Tissue was developed as an alternate nitrogen source to accommodate varying nutritional requirements. Peptic Digest of Animal Tissue provides nitrogen, amino acids, vitamins, and carbon in microbiological culture.

#### **Peptone S, Ultrafiltered**

Peptone S, Ultrafiltered is a papaic digest of soybean meal prepared under controlled conditions for use in microbiological procedures. The nitrogen source in Peptone S, Ultrafiltered contains naturally occurring, high concentrations of vitamins and carbohydrates of soybean.

#### **Skim Milk**

Skim Milk is soluble, spray-dried skim milk. This product is used as a complete medium or incorporated into other media for the isolation and cultivation of microorganisms found in milk products. Skim Milk is also used for differentiating organisms based on coagulation and proteolysis of casein.

#### **Tryptone**

Tryptone is an enzymatic digest of casein used as a nitrogen source in culture media. Casein is the main protein of milk, and a rich source of amino-acid nitrogen. Tryptone is rich in tryptophan, making it valuable for use in detecting indole production. The absence of detectable levels of carbohydrates in Tryptone makes it a suitable peptone in differentiating bacteria on the basis of their ability to ferment various carbohydrates.

#### **Tryptose**

Tryptose is a mixed enzymatic hydrolysate with rich nutritional value for microbiological culture media. The enzymatic hydrolysis of this peptone permits the preservation of vitamins and amino acids. Tryptose is recommended in broth and agar formulations, and when used in formulations containing blood permits hemolytic reactions. Tryptose was originally developed as a growth stimulant for *Brucella* spp.

#### **Yeast Extract**

Yeast Extract is the water soluble portion of autolyzed yeast containing vitamin B complex. Yeast Extract is an excellent stimulator of bacterial growth and used in culture media. The autolysis is carefully controlled to preserve the naturally occurring B-complex vitamins. Yeast Extract is generally employed in concentrations of 0.3–0.5%. Yeast Extract also provides vitamins, nitrogen, amino acids, and carbon in microbiological culture media.

Test	Acumedia Product	Property	Test Organisms	
	EE Broth, Mossel (7603)	Growth Promotion	Escherichia coli Pseudomonas aeruginosa	
Bile-tolerant Gram-negative Bacteria		Inhibitory	Staphylococcus aureus	
drain-negative bacteria	Violet Red Bile Glucose Agar (7425)	Growth Promotion + Indicative	Escherichia coli Pseudomonas aeruginosa	
	MagCaplan Buelle (71.05)	Growth Promotion	Escherichia coli	
Escherichia coli	MacConkey Broth (7185)	Inhibitory	Staphylococcus aureus	
	MacConkey Agar (7102)	Growth Promotion + Indicative	Escherichia coli	
	Rappaport-Vassiliadis Salmonella Enrichment Broth (7730)	Growth Promotion	Salmonella enteric ssp. enteric serotype typhimurium	
Salmonella spp.	Emilianient Broth (7730)	Inhibitory	Staphylococcus aureus	
Заппопена ѕрр.	XLD Agar (7166)	Growth Promotion + Indicative	Salmonella enteric ssp. enteric serotype typhimurium	
		Indicative	Escherichia coli	
Pseudomonas aeruginosa	Cetrimide Agar (Agar Medium N)	Growth Promotion	Pseudomonas aeruginosa	
r seudomonas aeruymosa	(7688)	Inhibitory	Escherichia coli	
Ctanbula again aurana	Monnital Calt Agas (71.42)	Growth Promotion + Indicative	Staphylococcus aureus	
Staphylococcus aureus	Mannitol Salt Agar (7143)	Inhibitory	Escherichia coli	
Olaskiidia	Reinforced Clostridial Medium (7714)	Growth Promotion	Clostridium sporogenes	
Clostridia	Columbia Agar (7734)	Growth Promotion	Clostridium sporogenes	
	Sabouraud Dextrose Broth (7617)	Growth Promotion	Candida albicans	
Candida albicans	Sabouraud Dextrose Agar (7150)	Growth Promotion + Indicative	Candida albicans	
oundidu dibiodiis	Potato Dextrose Agar (7149)	Growth Promotion	Candida albicans Aspergillus niger	
Microbial Enumeration Tryptic Soy Agar (7100)		Growth Promotion	Aspergillis niger Bacillus subtilis Candida albicans Pseudomonas aeruginosa Staphylococcus aureus	
Sterility	Tryptic Soy Broth (7164)		Aspergillis niger Bacillus subtilis Candida albicans Clostridium sporogenes Escherichia coli Pseudomonas aeruginosa Staphylococcus aureus	
	Fluid Thioglycollate Medium (7137)	Growth Promotion	Aspergillis niger Bacillus subtilis Candida albicans Clostridium sporogenes Pseudomonas aeruginosa Staphylococcus aureus	
Diluent	Buffered Sodium Chloride – Peptone Solution, pH 7.0 (7732)	Buffer	Aspergillis niger Bacillus subtilis Candida albicans Escherichia coli Pseudomonas aeruginosa Staphylococcus aureus	

<sup>1.</sup> United States Pharmacopeial Convention. 2007. The United States pharmacopeia, 31st ed., Amended Chapters 61, 62, 111. The United States Pharmacopeial Convention, Rockville, MD.

<sup>2.</sup> Directorate for the Quality of Medicines of the Council of Europe (EDQM). 2007. The European Pharmacopoeia, Amended Chapters 2.6.12, 2.6.13, 5.1.4, Council of Europe, 67075 Strasbourg Cedex, France.

<sup>3.</sup> Japanese Pharmacopoeia. 2007. Society of Japanese Pharmacopoeia. Amended Chapters 35.1, 35.2, 7. The Minister of Health, Labor, and Welfare.

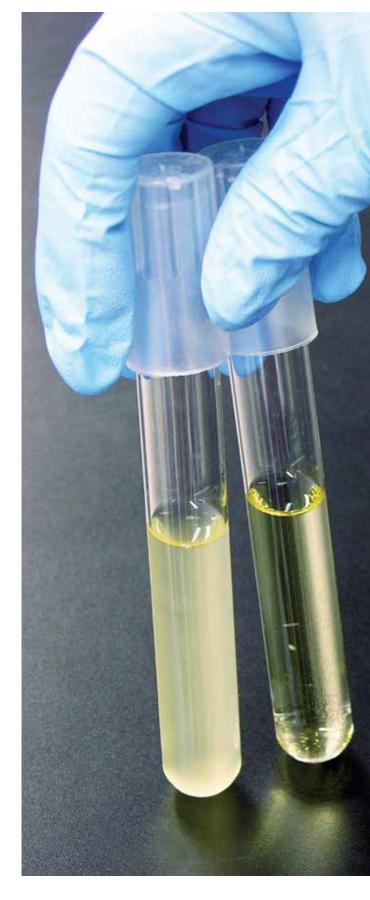
### **Product-Category References**

Anaerobes	Product No.	TAT Broth Base	7219
-	7115	Tryptic Soy Agar	7100
Brain-Heart Infusion Agar Brain-Heart Infusion Broth	7115 7116	Tryptic Soy Agar with Lecithin & Tween 80	7163
Clostridium Difficile Agar	7385		
•	7363 7734	Fermentation Products	
Columbia Agar Cooked Meat Medium	7734 7110	Acutone TPB (Non-animal)	7733
Fastidious Anaerobe Agar	7531	Acutone TSB (Non-animal)	7729
Fluid Thioglycollate Medium	7331 7137	Beef Extract Powder	7228
Reinforced Clostridial Medium	7137 7714	Brain-Heart Infusion Solids (Porcine)	7262
Schaedler Agar	7153	Brucella Broth	7121
Schaedler Broth	7153 7154	Casein, Acid Hydrolysate	7229
Thioglycollate Medium without Indicator	7160	Casein Digest Peptone	7689
Wilkins-Chalgren Agar	7100	M-Broth	7296
Wilkins-Chalgren Broth	7232	Malt Extract	7341
WIKIIS-GIAIGIEII DIOIII	1233	Lactalbumin Hydrolysate	7465
Cell Culture Ingredients		Pancreatic Digest of Casein 2 (Peptone C2)	9189
<del> </del>	7700	Pancreatic Digest of Casein (Peptone C3)	9191
Acutone TPB (Non-animal)	7733	Pancreatic Digest of Gelatin (Peptone G2)	9190
Acutone TSB (Non-animal)	7729	Papaic Digest of Soybean Meal (Peptone S2)	9213
Hemoglobin Powder	7195	Pancreatic Digest of Soybean Meal (Peptone S1)	7180
Lactalbumin Hydrolysate	7465	Peptone Water	7365
Pancreatic Digest of Soybean Meal (Peptone S1)	7180	Todd Hewitt Broth	7161
Papaic Digest of Soybean Meal (Peptone S2)	9213	Tryptic Soy Broth	7164
Peptone S, Ultrafiltered	7680	Tryptone	7351
Tryptic Soy Broth	7164	Tryptose	7693
Tryptose Phosphate Broth	7278	Tryptose Broth	7367
Yeast Extract	7184	Tryptose Phosphate Broth	7278
Dilutions		Universal Beer Agar	7574
	7050	W-L Nutrient Medium	7488
Maximum Recovery Diluent (Peptone Saline Diluent)	7658	Yeast Extract	7184
Phosphate Buffer, pH 7.2	7380		
Buffered Sodium Chloride-Peptone Solution, pH 7.0	7732	Membrane Filtration Testing	
<b>Environmental Sampling</b>		DC Medium with BCIG	7704
& Disinfectant Testing		m-Endo Agar	7724
		m-Endo Broth	7723
BCYE Agar Base	7728	m-Enterococcus Agar	7544
Cetrimide Agar	7222	m-FC Agar	7397
Cetrimide Agar (Agar Medium N)	7688	m-FC Broth	7396
D/E Neutralizing Agar	7375	m-Green Yeast and Fungi Broth	7190
D/E Neutralizing Broth	7562	m-HPC Agar	7690
D/E Neutralizing Broth with Tween	7705	m-TEC Agar	7421
Legionella Agar	7307	m-TGE Broth	7451
Letheen Agar Base	7118		
Letheen Agar Base, Modified	7495	Molecular Biology, Formulations & Ingredic	ents
Letheen Agar Base with Tween	7710	Acutone TPB (Non-animal)	7733
Letheen Broth Base	7105	Acutone TSB (Non-animal)	7729
Letheen Broth Base, Modified	7496	2xYT Medium	7281
Letheen Broth with Tween, Modified	7712	Agar, Bacteriological	7178
Nutrient Agar	7145	Agar, Select	7558
Potato Dextrose Agar	7149	Beef Extract Powder	7228
Pseudomonas Isolation Agar	7329	Brain-Heart Infusion Agar	7115
Sabouraud Dextrose Agar	7150	•	
Sabouraud Dextrose Agar with Lecithin & Tween 80	7392	Brain-Heart Infusion Broth	7116
Sabouraud Dextrose Broth	7617	Casein, Acid Hydrolysate	7229
Standard Methods Agar	7157	Casein Digest Peptone	7689

Molecular Biology, Formulations		Triple Sugar Iron (TSI) Agar Tryptic Soy Agar	7162 7100
& Ingredients (continued)	Product No.	Tryptic Soy Agar with Lecithin & Tween 80	7163
Dextrose	7203	Tryptic Soy Broth	7164
Lactose	7231	Vogel & Johnson Agar	7207
LB Agar, Lennox	7289	XLD Agar	7166
LB Agar, Miller	7213	ALD Agai	7100
LB Broth, Lennox	7290	Sterility	
LB Broth, Miller	7279		7732
Malt Extract	7341	Buffered Sodium Chloride-Peptone Medium	
Pancreatic Digest of Casein (Peptone C1)	7179	Fluid Thioglycollate Medium  Maximum Resource Billiont (Bentana Salina Billiont)	7137
Pancreatic Digest of Casein (Peptone C2)	9189	Maximum Recovery Diluent (Peptone Saline Diluent)	7658 7219
Pancreatic Digest of Gelatin (Peptone G)	7182	TAT Broth Thioshapllate Medium without Indicator	7219
Pancreatic Digest of Soybean Meal (Peptone S1)	7180	Thioglycollate Medium without Indicator	
Papaic Digest of Soybean Meal (Peptone S2)	9213	Tryptic Soy Agar with Lecithin & Tween 80	7163
Peptic Digest of Animal Tissue (Peptone A)	7181	Tryptic Soy Broth	7164
Peptone S, Ultrafiltered	7680	Yeast & Mold	
Terrific Broth, Modified	7708	-	
Tryptone	7351	BIGGY Agar	7191
Tryptose	7693	Brain-Heart Infusion Agar	7115
Tryptose Broth	7367	Corn Meal Agar	7350
Tryptose Phosphate Broth	7278	Dermatophyte Test Medium	7265
Yeast Extract	7184	Dichloran Glycerol (DG-18) Agar Base	7592
		DRBC Agar	7591
Non-Animal Formulations		Fluid Thioglycollate Medium	7137
Acutone PPLO Broth w/o CV	7742	Fungisel Agar	7205
Acutone TPB	7733	HC Agar Base	7520
Acutone TSB	7729	Littman Agar	7173
, toutono 105	7.20	m-Green Yeast and Fungi Broth	7190
Pharmaceutical		Malt Agar	7456
Acutone TPB (Non-animal)	7733	Mycobiotic Agar	7419
Acutone TSB (Non-animal)	7739 7729	Mycological Agar	7309
APT Agar	7302	OGYE Agar Base	7655
Baird-Parker Agar	7112	Orange Serum Agar	7587
Bismuth Sulfite Agar	7112	Potato Dextrose Agar	7149
Brilliant Green Agar	7117	Potato Dextrose Broth	7585
Cetrimide Agar	7222	Rose Bengal Chloramphenicol Agar	7664
Cetrimide Agar (Agar Medium N)	7688	Sabouraud Dextrose Agar	7150
Eosin Methylene Blue Agar, Levine	7103	Sabouraud Dextrose Agar, Emmons	7204
Fluid Thioglycollate Medium	7137	Sabouraud Dextrose Agar with Chloramphenicol	7306
Lactose Broth	7141	Sabouraud Dextrose Agar with Lecithin & Tween 80	7392
m-HPC Agar	7690	Sabouraud Dextrose Broth	7617
MacConkey Agar	7102	TAT Broth	7219
Mannitol Salt Agar	7143	Tryptic Soy Agar with Lecithin & Tween 80	7163
PPLO MIC Broth	7738	Tryptic Soy Broth	7164
PPLO Broth with CV, Acutone (Non-animal)	7742	Tryptone Glucose Extract Agar	7242
Potato Dextrose Agar	7149	Universal Beer Agar	7574
Pseudomonas Isolation Agar	7329	W-L Nutrient Medium	7488
R2A Agar	7390	Yeast Extract Agar	7707
Sabouraud Dextrose Agar	7150	YM Agar	7525
Selenite Cystine Broth	7283	YM Broth	7363
Standards Methods Agar	7157		
TAT Broth Base	7219		
Tetrathionate Broth Base	7241		
Thioglycollate Medium without Indicator	7160		
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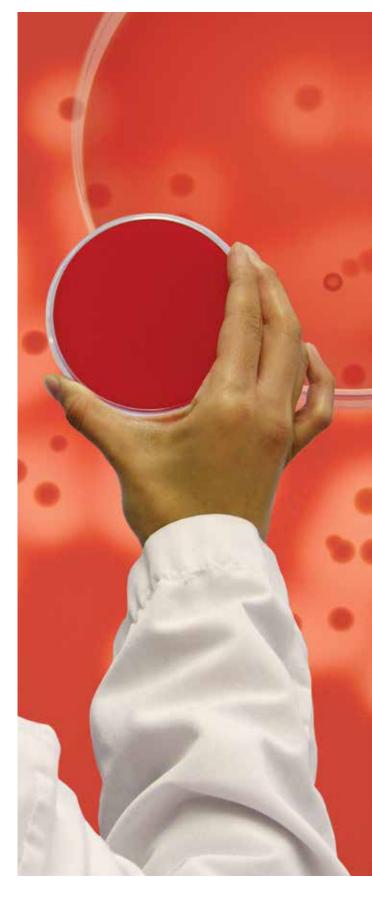
CLINICAL	Anaerobes	Antibiotic Medium	Bordetella	Brucella	Campylobacter	Differential Medium	E. coli 0157:H7	Fastidious Organisms	General Purpose Culture Media	Gram (-) Enteric Bacteria	Hemophilus
Baird Parker Agar (7112)		4 =		~		1 0 2	7		00	0 8	_
BCYE Agar Base (7728)											
Beta-SSA Agar (7336)	ĺ			İ		İ					
BIGGY Agar (7191)											
Bile Esculin Agar (7249)											
Bile Esculin Azide Agar (7133)						ļ					
Bismuth Sulfite Agar (7113)											
Blood Agar Base No.2 (7266)		1							X		
Blood Agar Base, Improved (7268)		-		-		1			X		
Brain-Heart Infusion Agar (7115) Brain-Heart Infusion Broth (7116)	Х								X		
Brucella Agar (7120)		-		Х					Α		
Brucella Broth (7121)				x	Х						
Campy Selective Agar Base (Preston Modified) (7443)	<u> </u>			<b>├</b> ^─	X						
Campy Blood Free Selective Medium (CCDA) (7527)					X	İ					
Casman Medium Base (7123)			i	i				Х			Х
Cetrimide Agar (7222)		İ		İ		İ					
Cetrimide Agar (Agar Medium N) (7688)						İ					
Charcoal Agar (7586)			Х								
CLED Agar (7122)									Х		
Clostridium Difficile Agar (7385)	X					ļ					
Columbia Blood Agar Base (7125)									Х		
Columbia Agar (7734)	X					ļ					
Columbia Broth (7127)						ļ			Х		
Columbia CNA Agar (7126)		-									
Cooked Meat Medium (7110)	X	1		<u> </u>							
Corn Meal Agar (7350)		-								Х	
Deoxycholate Agar (7130) Dermatophyte Test Medium (7265)										^	
DHL Agar (7457)											
DNase Test Agar (7129)											
Eosin Methylene Blue Agar (Holt, Harris & Teague) (7134)		İ		İ		İ				Х	
Eosin Methylene Blue Agar, Levine (7103)						İ				Х	
Fastidious Anaerobe Agar (7531)	X										
Fluid Thioglycollate Medium (7137)	X					ļ			Х		
Fungisel Agar (7205)											
GC Agar (7104)				ļ		ļ		Х			Х
Hektoen Enteric Agar (7138)						ļ .,				Х	
Kliger Iron Agar (7140)		-				Х					
Legionella Agar (7307)											
Lowenstein-Jensen Medium (7245) Lysine Iron Agar (7211)						Х					
MacConkey Agar (7102)			<u> </u>			^				Х	
MacConkey Agar, CS (7391)		1		<u> </u>						X	
MacConkey Agar without Crystal Violet & Salt (7378)			i	i		1				X	
MacConkey Agar without Crystal Violet (7236)	i			ĺ		İ				Х	
MacConkey Agar with Sorbitol (7320)				ĺ		ĺ	Х				
Malt Agar (7456)											
Mannitol Salt Agar (7143)											
Middlebrook 7H11 Agar (7244)											
MIO Medium (7389)				ļ		X		ļ			
Motility Test Medium (7247)		-		<u> </u>		Х					
MRSA Agar Base (7420)		-		-		V					
MR-VP Broth (7237)		V				X					
Mueller Hinton Medium (7101) Mycobiotic Agar (7419)		X		-							
Mycological Agar (7419)		1		<del> </del>							
Nutrient Agar (7145)				<b> </b>					Х		
Nutrient Broth (7146)									X		
Phenol Red Broth Base (7148)		İ	Ì	i		Х					

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١	Legionella	Mycobacteria	Mycoplasma	Neisseria	Pseudomonas	Salmonella/ Shigella	X Staphylococcus	Streptococcus	o,	Yeast & Mold	inia
	Legi	Myc	Мус	Neis	Psei	Saln Shig	Stap	Stre	Vibrio	Yeas	Yersinia
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CLINICAL (CONT.)	Anaerobes	Antibiotic Medium	Bordetella	Brucella	Campylobacter	Differential Medium	E. coli 0157:H7	Fastidious Organisms	General Purpose Culture Media	Gram (-) Enteric Bacteria	Hemophilus	
Phenylethanol Agar (7147)												
Potato Dextrose Agar (7149)												
Potato Dextrose Broth (7585)												
Potato Infusion Agar (7532)				Х								
PPLO Broth without CV (7485)												
PPLO MIC Broth (7738)												
Pseudomonas Cepacia Agar (7458)												
Pseudomonas Isolation Agar (7329)				ĺ						ĺ		
Reinforced Clostridial Medium (7714)	X											
Sabouraud Dextrose Agar (7150)												ĺ
Sabouraud Dextrose Agar, Emmons (7204)										ĺ		
Sabouraud Dextrose Agar with Chloramphenicol (7306)										ĺ		
Sabouraud Dextrose Broth (7617)						ĺ				ĺ		
Salmonella Shigella Agar (7152)						ĺ						
Schaedler Agar (7153)	X											
Schaedler Broth (7154)	X	ĺ		ĺ	ĺ				İ	ĺ		1
Selective Strep Agar, Mod. No. 2 (7405)		İ		i						İ		i
Selenite Broth (7155)				İ						İ		i
Selenite Cystine Broth (7283)				İ		i				İ		
SIM Medium (7221)						Х				i		
Simmons Citrate (7156)				İ		Х				İ		
Standard Methods Agar (7157)				i		i			Х	İ		
TCBS Agar (7210)				1	ì	i				i		
Tetrathionate Broth Base (7241)				İ		i				İ		
Tetrathionate Broth Base, Hajna (7740)						i				i		
Thioglycollate Medium without Indicator (7160)	X					i				i		
Todd Hewitt Broth (7161)								Х				
Triple Sugar Iron Agar (7162)				l		Х				i		
Tryptic Soy Agar (7100)						_ ~			х			
Tryptic Soy Blood Agar Base No. 2 (7654)									X	i		
Tryptic Soy Broth (7164)									X	i		
Tryptose Blood Agar Base (7282)						<b>i</b>			X	<del> </del>		
Tryptose Broth (7367)				X		1		Х		1		
Tryptose Phosphate Broth (7278)				<b>├</b> ^─		<b> </b>		X		<del> </del>		
Urea Agar Base (7226)				<del> </del>		X				<del> </del>		-
Vogel & Johnson Agar (7207)						<b>  ^</b>						
Wilkins-Chalgren Agar (7232)	X			<u> </u>						<del> </del>		-
Wilkins-Chalgren Broth (7233)	X	Х		-		1				<del> </del>		
XLD Agar (7166)	^	^										1
XLT4 Agar (7517)				<del> </del>		l				<del> </del>		-
Yersinia Selective Agar (7257)												
YM Agar (7525)				-						-		-
YM Broth (7366)				-						-		
THI DIUII (7 300)				L						<u> </u>		

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l ~	Mycobacteria	Мусоріаѕта		Pseudomonas	Salmonella/ Shigella	20.	$\mathcal{S}$		Yeast & Mold	
Legionella	Ė	ası	Neisseria	ш	<i>  </i>	00	8		Σ	_
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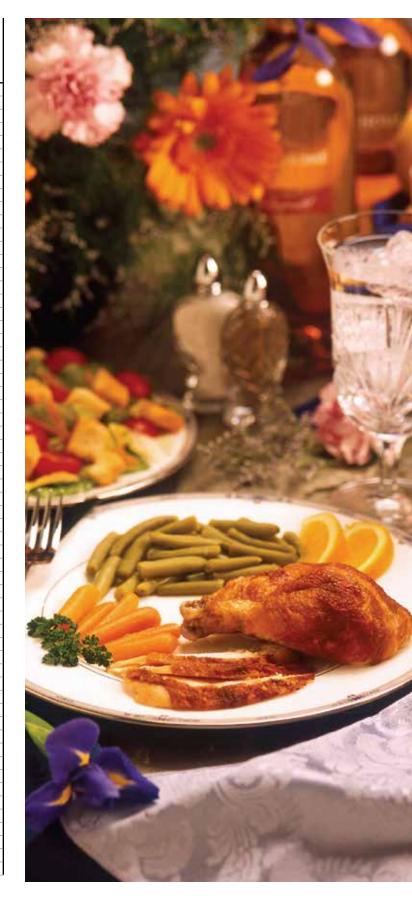


COSMETIC	Anaerobes	Environmental	General Purpose Culture Media	Gram (-) Enteric Bacteria	Lactobacillius	Pseudomonas	Staphylococcus	Sterility Testing	Streptococcus	Yeast & Mold
Baird Parker Agar (7112)							Х			
Bile Esculin Agar (7249)									X	
Brain-Heart Infusion Agar (7115)			Х							Х
Brain-Heart Infusion Broth (7116)	Х		Х							Х
Cetrimide Agar Base (7222)						Х				
Cetrimide Agar (Agar Medium N) (7688)						Х				
Cooked Meat Medium (7110)	Х									
D/E Neutralizing Agar (7375)		Х								
D/E Neutralizing Broth (7562)		Х								
D/E Neutralizing Broth with Tween (7705)		Х								
Eosin Methylene Blue Agar (Holt, Harris & Teague) (7134)				Х						
Eosin Methylene Blue Agar, Levine (7103)				X						
Fluid Thioglycollate Medium (7137)	Х		Х					Х		
HC Agar Base (7520)										Х
Lactobacillus MRS Agar (7543)		-			Х					_^_
Lactobacillus MRS Broth (7406)					X					
Lactobacillus Selective Agar Base (7234)					X					
Letheen Agar Base (7118)		Х			^					
Letheen Agar Base, Modified (7495)		X								
		X								
Letheen Agar with Tween (7710)										
Letheen Agar with Tween, Modified (7712)		X								
Letheen Broth Base (7105)		X								
Letheen Broth Base, Modified (7496)		X								
Littman Agar (7173)										Х
MacConkey Agar (7102)				Х						
Malt Agar (7456)										Х
Mannitol Salt Agar (7143)							Х			
Mycobiotic Agar (7419)										Х
Mycological Agar (7309)										Х
Phenylethanol Agar (7147)									Х	
Potato Dextrose Agar (7149)										Х
Potato Dextrose Broth (7585)										Х
Pseudomonas Cepacia Agar (7458)						Х				
Pseudomonas Isolation Agar (7329)						X				
Rose Bengal Chloramphenicol Agar (7664)										Х
Sabouraud Dextrose Agar (7150)										Х
Sabouraud Dextrose Agar with Chloramphenicol (7306)										Х
Sabouraud Dextrose Agar with Lecithin & Tween 80 (7392)		Х								Х
Sabouraud Dextrose Broth (7617)		ĺ								Х
Standard Methods Agar (7157)		ĺ	Х							
TAT Broth (7219)								Х		
Thioglycollate Medium without Indicator (7160)	Х	İ						X		
Todd Hewitt Broth (7161)	Х	i								
Tomato Juice Agar (7349)	,	i			Х					
Tryptic Soy Agar (7100)		i	Х		-					
Tryptic Soy Agar (1100) Tryptic Soy Agar with Lecithin & Tween 80 (7163)		х	^							
Tryptic Soy Broth (7164)		<b>_^</b> _	Х					Х		
Vogel & Johnson Agar (7207)		l	٨				Х	^_		
vogoi a odiliodii Agai (1201)							Λ			

DAIRY	Coliforms	Enterococcus	Environmental	Generic <i>E. coli</i>	General Purpose Culture Media	Lactobacillus	Listeria	Staphylococcus	Streptococcus	Yeast & Mold
Azide Dextrose Broth (7315)									X	
Baird Parker Agar (7112)								Х		
Bile Esculin Agar (7249)		Х							Х	
Brilliant Green Bile Broth 2% (7119)	Х	İ								
Buffered Listeria Enrichment Broth (7579)		ĺ					Х			
Buffered Listeria Enrichment Broth Base (7675)							Х			
D/E Neutralizing Agar (7375)			Х							
D/E Neutralizing Broth (7562)			X				i			
D/E Neutralizing Broth with Tween (7705)			X							
EC Medium with MUG (7361)	X		^				<u> </u>			
	X			Х						
Eosin Methylene Blue Agar, Levine (7103)		-		^			v			
Fraser Broth (7626)							X			
Fraser Broth Base (7502)							Х			
Lactobacilli MRS Agar (7543)						Х				
Lactobacillus Selective Agar Base (7234)						Х				
Lactobacilli MRS Broth (7406)						X				
Lactose Broth (7141)	Х									
Lauryl Sulfate Broth with MUG (7300)	X			Х						
Letheen Agar Base (7118)			Х							
Letheen Broth Base (7105)			Х							
Letheen Agar Base with Tween (7710)			Х							
Listeria Enrichment Broth (7398)							Х			
m-FC Agar (7397)	Х									
MacConkey Agar (7102)	X			Х						
MacConkey Broth (7185)	X			X						
Malt Agar (7456)										Х
Milk Plate Count Agar (7703)					Х					_^_
Motility Test Agar (7247)					^		х			
Nutrient Agar (7145)	Х						_ ^			
		-	Х							
Nutrient Broth (7146)			Λ				v			
Oxford Listeria Agar (7428)							X			
PALCAM Agar (7669)							Х			
PALCAM Broth (7670)							Х			
Phenylethanol Agar (7147)									Х	
Potato Dextrose Agar (7149)										Х
Potato Dextrose Broth (7585)										Х
Rose Bengal Chloramphenicol Agar (7664)										Х
Sabouraud Dextrose Agar (7150)										Х
Sabouraud Dextrose Agar with Lecithin & Tween 80 (7392)			Х							Х
Sabouraud Dextrose Broth (7617)										Х
Standard Methods Agar (7157)					Х					
Tomato Juice Agar (7349)		İ				Х				
Tryptic Soy Agar (7100)					Х					
Tryptic Soy Agar with Lecithin & Tween 80 (7163)			Х							
Tryptic Soy Broth (7164)		İ	X		Х					
Tryptone Glucose Extract Agar (7242)			-,		X					
UVM Modified Listeria Enrichment Broth (7409)					_^_		Х			
Universal Pre-Enrichment Broth (7510)							X			
Violet Red Bile Agar (7165)	X	1					^			
		-		Х						
Violet Red Bile Agar with MUG (7359)	X									

FOOD & BEVERAGE	Anaerobes	Bacillus	Beverage Analysis	Campylobacter	Clostridium	Coliforms	E. coli 0157:H7	Enterococcus	Environmental	Generic <i>E. coli</i>	General Purpose Culture Media	
A-1 Medium (7601)		-	M 4	9	-	X	-	4	ш	- 5	90	
APT Agar (7302)												
Bacillus Cereus Agar Base (7442)		Х										
Baird Parker Agar (7112)		İ										
Bile Esculin Agar (7249)		İ			ĺ			Х				
Bismuth Sulfite Agar (7113)												
Brilliant Green Agar (7117)												
Brilliant Green Agar with Sulfadiazine (7310)												
Brilliant Green Agar with Sulfapyridine (7299)												
Brilliant Green Bile Broth 2% (7119)						Х						
Brucella Agar (7120)				X								
Brucella Broth (7121)				X								
Buffered Listeria Enrichment Broth (7579)												
Buffered Listeria Enrichment Broth Base (7675)												
Buffered Peptone Water - ISO (7417)												
Buffered Peptone Water (7418)												
Buffered Peptone Water, Modi with Pyruvate (7736)							Х					
Campy Cefex Agar (7718)				Х								
Campylobacter Blood Free Selective Medium (7527)				Х								
Campylobacter Enrichment Broth (7526)				Х								
Campylobacter Selective Agar Base (7443)				Х								
Cetrimide Agar (7222)												
Cetrimide Agar (Agar Medium N) (7688)												
Clostridium Difficile Agar (7385)					X							
Columbia Agar (7734)	Х											
Cooked Meat Medium (7110)					Х							
Demi-Fraser Broth Base (7656)												
D/E Neutralizing Agar (7375)									Х			
D/E Neutralizing Broth (7562)									Х			
D/E Neutralizing Broth with Tween (7705)									Х			
Deoxycholate Citrate Agar (7186)						X				Х		
Dextrose Tryptone Agar (7340)		Х										
Dextrose Tryptone Broth (7338)		Х										
DHL Agar (7457)												
Dichloran Glycerol (DG-18) Agar Base (7592)												
DNase Test Agar (7129)												
DRBC Agar (7591)												
EC Medium (7206)						Х						
EC Medium with MUG (7361)						Х				Х		
EC Medium, Modified (7506)						Х	Х			Х		
EC Medium, Modified with Novobiocin (7700)						Х	Х			Х		
EE Broth, Mossel (7603)						Х				Х		
Eosin Methylene Blue Agar (Holt, Harris & Teague) (7134)			ļ			Х				Х		
Eosin Methylene Blue Agar, Levine (7103)						Х				Х		
Fluid Thioglycollate Medium (7137)					Х							
Fraser Broth (7626)												
Fraser Broth Base (7502)												
Hektoen Enteric Agar (7138)						Х						
Lactobacilli MRS Agar (7543)												
Lactobacilli MRS Broth (7406)												
Lactobacillus Selective Agar Base (7234)												
Lactose Broth (7141)						Х						
Lauryl Sulfate Broth (7142)						Х				Х		
Lauryl Sulfate Broth with MUG (7300)						Х				Х		
Lauryl Tryptose Broth (7324)						Х				Х		
Letheen Agar Base (7118)									Х			<u> </u>
Letheen Agar Base with Tween (7710)		<u> </u>							X			
Letheen Broth Base (7105)		ļ							Х			
Letheen Broth with Tween, Modified (7712)		ļ							Х			
Listeria Enrichment Broth (7398)												

Lactobacillus	Listeria	Pseudomonas	Salmonella/ Shigella	Spoilage Microorganisms	Staphylococcus	Streptococcus	Vibrio	Yeast & Mold	Yersinia
Х									
					Х	Х			
			Х						
			X X X						
			Х						
	v								
	X X								
			X						
		Х							
		X							
	v								
	Х								
			Х						
					Х			Х	
								Х	
	X X								
	Λ		Х						
X									
X									
			Х						
	X								



FOOD & BEVERAGE (CONT.)	Anaerobes	Bacillus	Beverage Analysis	Campylobacter	Clostridium	Coliforms	E. coli 0157:H7	Enterococcus	Environmental	Generic <i>E. coli</i>	General Purpose Culture Media	
M-Broth (7296)												
m-Green Yeast & Fungi Broth (7190)												
MacConkey Agar (7102)						X				Х		
MacConkey Agar with Sorbitol (7320)		ļ				Х	Х					
MacConkey Agar, CS (7391)						X				Х		
MacConkey Broth (7185)		ļ				Х						
Malt Agar (7456)												
Mannitol Salt Agar (7143)											v	
Milk Plate Count Agar (7703)											Х	
Motility Test Agar (7247) Mycological Agar (7309)						-						
MYP Agar Base (7741)		X				-						
National Food Laboratory Aseptic Validation Medium (7737)	<u> </u>	<b>-^</b> -				<b>i</b>						
Nutrient Broth (7146)	1					<u> </u>			X			
OGYE Agar Base (7655)						i						
Orange Serum Agar (7587)			Х			İ						
Oxford Listeria Agar (7428)						ĺ						
PALCAM Agar Base (7669)												
PALCAM Broth (7670)												
Potato Dextrose Agar (7149)												
Potato Dextrose Broth (7585)		ļ										
Potato Infusion Broth (7532)												
Pseudomonas Agar Base (9222)		ļ				ļ						
Pseudomonas Infusion Agar (7329)		1										
Rappaport-Vassiliadis, MSRV (7511)		1										
Rappaport-Vassiliadis R10 Broth (7512)		İ				-						
Rappaport-Vassiliadis Salmonella Enrichment Broth (7730)  Reinforced Clostridial Medium (7714)	X	1				-						
Sabouraud Dextrose Agar (7150)	_ ^					-						
Sabouraud Dextrose Agar with Lecithin & Tween 80 (7392)		İ							x			
Sabouraud Dextrose Broth (7617)												
Salmonella Shigella Agar (7152)												
Selenite Broth (7155)						i						
Selenite Cystine Broth (7283)						ĺ						
Standard Methods Agar (7157)											Х	
TCBS Agar (7210)												
Tergitol 7 Agar (7187)						Х						
Tetrathionate Broth Base (7241)												
Tetrathionate Broth Base, Hajna (7740)												
Tomato Juice Agar (7349)						<u> </u>						
Tryptic Soy Agar (7100)		-				<u> </u>			- v		Х	
Tryptic Soy Agar with Lecithin & Tween 80 (7163)									X		v	
Tryptic Soy Broth (7164)		İ				X	Х		Х	X	Х	
Tryptic Soy Broth, Modified with Novobiocin (7694)  Tryptic Soy Broth, Modified with Novobiocin & Acid Digest of Casein (7731)						^	X			^		
Tryptic Soy Broth with Ferrous Sulfate (7739)	<u> </u>					<u> </u>	^					
Universal Beer Agar (7574)		1	Х									
Universal Pre-Enrichment Broth (7510)												
UVM Modified Listeria Enrich Broth (7409)												
Violet Red Bile Agar (7165)						х						
Violet Red Bile Agar with MUG (7359)		İ				Х				Х		
Violet Red Bile Glucose Agar (7425)						Х						
Vogel & Johnson Agar (7207)												
W-L Nutrient Medium (7488)			Х									
XLD Agar (7166)						<u> </u>						
XLT4 Agar Base (7517)												
Yersinia Selective Agar (7257)		ļ										
YM Agar (7525)												
YM Broth (7363)												

Lactobacillus	Listeria	Pseudomonas	X Salmonella/ Shigella	Spoilage Microorganisms	Staphylococcus	Streptococcus	Vibrio	Yeast & Mold	Yersinia
			Х						
								Х	
					Х			Х	
					_ ^				
	Х							Х	
				Х					
								Х	
	Х								
	X X X								
	Х							Х	
								X X X	
		X						^	
		Х	¥						
			X X X						
			Х						
								Х	
								X X X	
			X						
			X X X						
							v		
							Х		
			X						
Х			Λ						
			Х						
	Х								
	X								
					v				
					Х				
			X						
			٨						Х
								X X	



VETERINARY	Anaerobes	Antibiotic Medium	Bordetella	Brucella	Clostridium	Clostridium difficile	Differential Medium	E. coli 0157:H7	Fastidious Organisms	General Purpose Culture Media	Gram (-) Enteric Bacteria
Baird Parker Agar (7112)											
BCYE Agar Base (7728)											
Beta-SSA Agar (7336)		<u> </u>									
BIGGY Agar (7191)											
Bile Esculin Agar (7249) Bile Esculin Azide Agar (7133)		-								-	
Bismuth Sulfite Agar (7113)											
Blood Agar Base No. 2 (7266)										Х	
Blood Agar Base, Improved (7268)										X	
Brain-Heart Infusion Agar (7115)		i								X	
Brain-Heart Infusion Broth (7116)	X	ĺ								Х	
Brilliant Green Agar (7117)											
Brucella Agar (7120)				Х							
Brucella Broth (7121)				Х							
Casman Medium Base (7123)		ļ							Х	ļ	
Cetrimide Agar (7222)										-	
Cetrimide Agar (Agar Medium N) (7688)											
Charcoal Agar (7586)		-	Х							v	
CLED Agar (7122)						v				Х	
Clostridium Difficile Agar (7385)	V					X					
Columbia Agar (7734) Columbia Blood Agar Base (7125)	X	<u> </u>								X	 
Columbia Broth (7127)		1								X	
Columbia CNA Agar (7126)											
Cooked Meat Medium (7110)		i			Х					i	
Corn Meal Agar (7350)		İ								i	
Deoxycholate Agar (7130)											Х
Dermatophyte Test Medium (7265)											
DHL Agar (7457)											
DNase Test Agar (7129)											
Eosin Methylene Blue Agar (Holt, Harris & Teague) (7134)											X
Eosin Methylene Blue Agar, Levine (7103)		-			V					X	Х
Fluid Thioglycollate Medium (7137)					Х					<u>^</u>	
Fungisel Agar (7205) Hektoen Enteric Agar (7138)		-									Х
Kliger Iron Agar (7140)							Х				^
Legionella Agar Base (7307)											
Lysine Iron Agar (7211)							Х				
MacConkey Agar (7102)		i								i	Х
MacConkey Agar, CS (7391)		ĺ								ĺ	Х
MacConkey Agar without Crystal Violet & Salt (7378)											Х
MacConkey Agar without Crystal Violet (7236)											Х
MacConkey Agar with Sorbitol (7320)								Х			
Malt Agar (7456)											
Mannitol Salt Agar (7143)		ļ									
MIO Medium (7389)							X			<u> </u>	
Motility Test Medium (7247)		-					X			-	
MRSA Agar Base (7420) MR-VP Broth (7237)		-					Х			-	
Mueller Hinton Medium (7101)		X					^			-	
Mycobiotic Agar (7419)		<b>  ^</b>								<del> </del>	
Mycological Agar (7419)		İ								1	
Nutrient Agar (7145)										Х	
Nutrient Broth (7146)		i								X	
Phenylethanol Agar (7147)		Ì								Ì	
Phenol Red Broth Base (7148)							Х				
Potato Dextrose Agar (7149)											

		ıa		ıas	Salmonella/Shigella	snoo	snc		P
Hemophilus	Legionella	Mycoplasma	Neisseria	Pseudomonas	Imonella	× Staphylococcus	Streptococcus	Vibrio	Yeast & Mold
He		M	Ne	Ps	Sa	χ	13S	ii/	Ye
	Х						Х		
									Х
					Х		X		
									Х
					Х				
Х			Х	X					
				Х					
							Х		
									X
									X
					Х	X			^
						^			
					Х				Х
	Х								
						X			Х
						Х			
									,,
									X X
						X	Х		
									X



VETERINARY (CONT.)	Anaerobes	Antibiotic Medium	Bordetella	Brucella	Glostridium	Clostridium difficile	Differential Medium	E. coli 0157:H7	Fastidious Organisms	General Purpose Culture Media	Gram (-) Enteric Bacteria	
Potato Infusion Agar (7532)				X								
PPLO Broth without CV (7485)												
PPLO Broth without CV, Acutone (Non-animal) (7742)												
PPLO MIC Broth (7738)												
Pseudomonas Cepacia Agar (7458)												
Pseudomonas Isolation Agar (7329)												
Sabouraud Dextrose Agar (7150)												
Sabouraud Dextrose Agar, Emmons (7204)												
Sabouraud Dextrose Agar with Chloramphenicol (7306)												
Sabouraud Dextrose Broth (7617)												
Salmonella Shigella Agar (7152)												
Schaedler Agar (7153)					Х							
Schaedler Broth (7154)					Х							
Selective Strep Agar, Modified No. 2 (7405)												
Selenite Broth (7155)												
Selenite Cystine Broth (7283)							v					
SIM Medium (7221)							X					
Simmons Citrate Agar (7156)							Х			v		
Standard Methods Agar (7157)										Х		
_TCBS Agar (7210) Tetrathionate Broth Base (7241)												
	V											
Thioglycollate Medium without Indicator (7160) Todd Hewitt Broth (7161)	X								Х			
Triple Sugar Iron Agar (7162)	^	<u> </u>					Х		٨			
							Α			Х		
_Tryptic Soy Agar (7100) Tryptic Soy Blood Agar Base No.2 (7654)										X		<b>-</b>
Tryptic Soy Broth (7164)										X		
Tryptose Blood Agar Base (7282)										X		
Tryptose Broth (7367)				Х					Х			
Tryptose Phosphate Broth (7278)				^					X			
Urea Agar Base (7226)							Х					
Vogel & Johnson Agar (7207)							Α					
Wilkins-Chalgren Agar (7232)	Х											
Wilkins-Chalgren Broth (7233)	X	х										
XLD Agar (7166)											Х	
XLT4 Agar (7517)												
YM Agar (7525)		i										
YM Broth (7363)												
5.50 (. 555)		ļ.										

Hemophilus	Legionella	Mycoplasma	Neisseria	Pseudomonas	Salmonella/Shigella	Staphylococcus	Streptococcus	Vibrio	Yeast & Mold
		Х							
		X X X							
				X					
				Х					Y
									X
									X X X
					Х				_ X
							Х		
					X				
					Х				
								v	
					Х			Х	
							Х		
						Х			
					X				
					Х				
									X



WATER & WASTEWATER	Clostridium perfringens	Fecal Coliforms	Fecal Streptococcus	Generic <i>E. coli</i>	General Purpose Culture Media	<i>Legionella</i> spp.	Pseudomonas	Salmonella	Stressed Organisms	Total Coliforms	Yeast & Mold
A-1 Medium (7601)										Х	
Azide Dextrose Broth (7315)			X								
Bile Esculin Agar (7249)			X								
Bile Esculin Azide Agar (7133)			Х								
Bismuth Sulfite Agar (7113)								Х			
Brilliant Green Agar (7117)								Х			
Brilliant Green Bile Broth 2% (7119)										Х	
Cetrimide Agar Base (7222)							Х				
Cetrimide Agar (Agar Medium N) (7688)							Х				
DC Medium with BCIG (7704)				Х			ĺ	ĺ	ĺ		ĺ
EC Medium (7206)		Х					ĺ	İ	İ		
EC Medium with MUG (7361)		X		Х							
Eosin Methylene Blue Agar (Holt, Harris & Teague) (7134)										Х	
Eosin Methylene Blue Agar, Levine (7103)		Х									
KF Streptococcus Agar (7610)			Х				ì		i		
Lauryl Sulfate Broth (7142)		Х					i		i		
Lauryl Sulfate Broth with MUG (7300)		X		Х			i	i			
Lauryl Tryptose Broth (7324)		X									
Legionella Agar (7307)						Х		<b> </b>			
m-Endo Agar (7724)						_^_		-		Х	
m-Endo Broth (7723)									1	X	
m-Enterococcus Agar (7544)			Х					-		_ ^	
m-FC Agar (7397)		X									
m-FC Broth (7396)		X						<b> </b>			
m-HPC Agar (7690)					Х			-			
m-TEC Agar (7421)					^				Х		
m-TGE (7451)					X						
MacConkey Agar (7102)				Х	^					Х	
MacConkey Broth (7185)										X	
Presence-Absence Broth (7500)										X	
Pseudomonas Cepacia Agar (7458)							х			^	
Pseudomonas Isolation Agar (7329)							x	-			
R2A Agar (7390)									Х		
Rose Bengal Chloramphenicol Agar (7664)									^		х
								v			^
Selenite Broth (7155)								X			
Selenite Cystine Broth (7283)					v			Х			
Standard Methods Agar (7157)					X			-		v	
Tergitol 7 Agar (7187)								v		X	
Tetrathionate Broth Base (7241)					V			X			
Tryptic Soy Agar (7100)					X						
Tryptic Soy Broth (7164)					X						
Tryptone Glucose Extract Agar (7242)					Х			<u> </u>			
XLD Agar (7166)								Х			
Yeast Extract Agar (7707)					Х						

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MacConkey Agar with Sorbitol	7320	9	Potato Dextrose Broth	7585	10
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