Pharmaceutical Microbiology
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Hardy Diagnostics has a Quality Management System that is certified to ISO 13485 and is a FDA licensed medical device manufacturer.

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HardyDiagnostics.com

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Salt Lake City, Utah
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Dallas, Texas
Springboro, Ohio
Lake City, Florida
Albany, New York
Raleigh, North Carolina
Our Advantage

Hardy Diagnostics manufactures over 2,700 prepared culture media products and provides a complete selection of over 13,000 microbiology supply items. Founded in 1980, Hardy Diagnostics has grown to service over 9,000 microbiology laboratories within the United States and throughout the world.

• **USP Compliant Quality Control**
  For items designated USP, Hardy Diagnostics quality control testing is performed in accordance with the requirements set forth in *USP/NF, Microbiological Examination of Nonsterile Products: Microbial Enumeration Tests <61>, Microbiological Examination of Nonsterile Products: Tests for Specified Microorganisms <62>, and Sterility Tests <71>*. Rockville, MD: US Pharmacopeial Convention.

• **Quality Control Program**
  All of the products manufactured by Hardy Diagnostics are tested to the highest standards for quality and performance. To assist our industrial customers with ISO and cGMP requirements, a “Certificate of Analysis” is available online.

• **ISO Certified**
  The Quality management system of the Hardy Diagnostics’ California and Ohio manufacturing facilities has been certified to ISO 13485, a quality standard specifically for medical device manufacturers.

• **Custom Product Manufacturing**
  Hardy Diagnostics is willing and able to manufacture products specific to your needs. Special container and formula requests are welcome. Simply contact your area Sales Representative.

• **Two Manufacturing Plants**
  Hardy Diagnostics is the only culture media company with bi-coastal manufacturing plants that provide our customers with the additional security of product availability.
Environmental Monitoring

Contact Plates for Surface Sampling

Surface sampling shall be performed in all ISO classified areas on a periodic basis per USP <797>.

1. Remove lid from plate.
2. Gently press plate to surface without twisting or sliding.
3. Twist clockwise until frosted bands line up and lid locks into place.
4. Friction Lid design keeps lid in place. Optional locking feature assures lids stay secured.

Tryptic Soy Agar with Lecithin and Tween® 80
For the cultivation and enumeration of microorganisms.
10/pk.................................P34

Sabouraud Dextrose Agar
For the cultivation and enumeration of fungi.
10/pk.................................P36

Malt Extract Agar with Lecithin and Tween
For the cultivation and enumeration of fungi.
10/pk.................................P93

IRRADIATED CONTACT PLATES

D/E Neutralizing Agar, USP
For the testing efficacy and neutralizing of antiseptics and disinfectants based on neutralizing the chemical and detecting organisms remaining after treatment.
Irradiated, triple bagged,
10/pk.................................P580

Tryptic Soy Agar with Lecithin and Tween® 80, USP
For the cultivation and enumeration of microorganisms.
Irradiated, triple bagged,
10/pk.................................P520
Red tinted plate,
triple bagged,
10/pk.................................P520R

Sabouraud Dextrose Agar with Lecithin and Tween® 80, USP
For the cultivation and enumeration of fungi.
Irradiated, triple bagged,
10/pk.................................P595

FINGERTIP SAMPLING

1. Twist and remove lid.
2. Gently press glove tips to plate surface.

Twist lid clockwise until frosted bands line up and lid locks into place.
USP <797> states, in part: "Impaction shall be the preferred method of volumetric air sampling."

The TRIO.BAS™ family of air samplers has a 40 year history, created by the engineers of the first portable air sampler. The instruments are lightweight, ergonomic, have data integrity with Bluetooth capability and use standard media. Choose a format to best fit your environmental monitoring needs.

See our website and online TRIO.BAS™ catalog for information on all available models.
Sterile Environmental Monitoring Plates

- Sterile by irradiation - Validated for a Sterility Assurance Level (SAL) of $10^{-5}$
- Certificates of analysis - Available at the Hardy Diagnostics website 24/7
- ISO 13485 - Manufactured in a licensed cGMP facility with the quality management system certified to ISO 13485
- Room temperature storage

**R2A Agar, Irradiated, Triple Bagged**
For the enumeration of heterotrophic bacteria in water, especially potable water.
15x100mm plate, 10/pk.................................W530

**Sabouraud Dextrose Agar, Irradiated, Triple Bagged**
For the detection and enumeration of fungi.
15x100mm plate, 10/pk.................................W565

**Sabouraud Dextrose Agar with Lecithin and Tween® 80, Irradiated, Triple Bagged**
For the detection and enumeration of fungi.
15x100mm plate, 10/pk.................................W595

**Tryptic Soy Agar, Irradiated, Triple Bagged**
For the cultivation and enumeration of microorganisms.
15x100mm plate, 10/pk.................................W570
15x100mm plate, 34ml deep fill, 10/pk.............W540
15x100mm Red tinted plate, 34ml deep fill, 10/pk.................................W540R

**Tryptic Soy Agar with Lecithin and Tween® 80, USP, Irradiated, Double Bagged**
For the cultivation and enumeration of microorganisms.
15x100mm plate, 10/pk.................................W520

Easily distinguished between TSA and SabDex!

Perfect for use with the TRIO.BAS™ Air Sampler
**EnviroTrans™ Swab Kit (Pre-moistened)**

A ready-to-use swab and tube pre-filled with your choice of five solutions to fit your specific needs!

Collect and transport environmental samples with efficiency and ease. Simply remove the cap and attached Dacron® swab, collect the sample, recap, and send to the lab. Each EnviroTrans™ tube contains broth or buffer (see listing). The entire unit is terminally sterilized. Excellent for detection or enumeration of microorganisms from environmental surfaces or equipment.

**Neutralizing Buffer** for the detection of microorganisms found on surfaces. Neutralizes chlorine, iodine and quaternary ammonium compounds. Contains no growth factors. Recommended for enumeration methods.

- 2ml, 20/box ........................................................... SRK20
- 5ml, 20/box ........................................................... SRK15

**0.85% Saline** for the detection of microorganisms found on surfaces. Osmotically neutral transport solution. Contains no neutralizing agents or growth factors. Recommended for enumeration methods.

- 0.5ml, 20/box ........................................................... SRK05
- 2ml, 20/box ........................................................... SRK30
- 5ml, 20/box ........................................................... SRK35

**D/E Neutralizing Broth** for the detection of microorganisms found on surfaces. Neutralizes a broad spectrum of antiseptics and disinfectants such as quaternary ammonia, iodine, chlorine, phenolics, formalin, mercurials, glutaraldehyde, ethanol, and hexachlorophene. Detects organisms remaining after sanitation treatment. Contains some growth factors.

- 5ml, 20/box ........................................................... SRK45

**Neutralizing Saline** for the detection of microorganisms found on surfaces. Neutralizes a broad spectrum of antiseptics and disinfectants such as quaternary ammonia, iodine, chlorine, phenolics, formalin, mercurials, glutaraldehyde, ethanol, and hexachlorophene. Detects microorganisms remaining after sanitation treatment. Contains no growth factors. Recommended for enumeration methods.

- 5ml, 20/box ........................................................... SRK55

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**EnviroMax® Environmental Sampling Swabs**

For the collection, transportation, and identification of microorganisms.

- Sterile, pointed, pre-moistened foam tip
- 50% neutralizing buffer, 50% peptone water (0.1%)  
- Polypropylene handle  
- Individually wrapped

- 25/box ............ 2588050PF  
- 250/box ........... 2588050PFB

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800.266.2222   Sales@HardyDiagnostics.com   HardyDiagnostics.com
Sterility Testing System

Sterisart® Universal Pump by Sartorius

- Gold standard for sterility testing of drugs
- Closed system – decrease the chance of technician contamination
- Rugged and maintenance-free
- Compact and ergonomic construction
- Pump available with special software (menu-driven prompts for operator guidance; all process sequences can be logged; bar code recognition)
- Convenient foot switch activator

Sterisart® Universal Pump................................... 16420
Sterisart Canisters

Disposable Sample Canisters and Adapters for use with Sterisart® Universal Pump

- For sterility testing in isolators and clean benches
- Individually sterile
- Double-packaged
- Gamma irradiated
- Stainless steel needles

Call 800.266.2222 for a Price Quote!
Vented, Individual and Multi-Branch Systems

The Combisart® system enables you to select the optimal hardware and consumables for your needs in microbiological analysis and quality assurance. At the heart of the Combisart® system is a high-grade stainless steel manifold designed to accommodate most types of filter holders and funnels.

- Each filter station can be individually vented, ruling out secondary contamination of the underside of the filter
- Easy for left or right-handed users, because funnels can be positioned to suit the individual user
- Switch from reusable filter holders to disposable units without requiring new equipment
- Base can be easily unscrewed exposing all areas of the manifold to sterilization

See our website and online catalog for all available Combisart® models and accessories.
Microsart® e.motion Dispenser, Cat. no. 16712

Gridded Membrane Filters
- Four color/grid combinations for specific test applications
- 0.45μm ISO 7704 membrane filter
- Special pore structure for higher flow rates and throughputs
- Grid divided into 130 3.1 X 3.1 mm squares
- Individually packaged and sterilized
- QA assurance certificate included

Cellulose Nitrate (CN) Membrane Filter
Individually wrapped on single sheet, sterile packed, 47mm

<table>
<thead>
<tr>
<th>Filter Color / Grid</th>
<th>Pore Size</th>
<th>Pack Size</th>
<th>Cat. no.</th>
</tr>
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<tr>
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<td>0.45μm</td>
<td>100</td>
<td>1140647ACN</td>
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<tr>
<td>White/black</td>
<td>0.45μm High-Flow</td>
<td>100</td>
<td>114H647ACN</td>
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<tr>
<td>Gray/white</td>
<td>0.45μm</td>
<td>100</td>
<td>1300647ACN</td>
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<tr>
<td>Green/dark green</td>
<td>0.45μm</td>
<td>100</td>
<td>1380647ACN</td>
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<tr>
<td>White/green</td>
<td>0.45μm</td>
<td>100</td>
<td>1390647ACN</td>
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<td>White/green</td>
<td>0.45μm High-Flow</td>
<td>100</td>
<td>139H647ACN</td>
</tr>
</tbody>
</table>

Microsart® e.motion Membrane Filters
- For use with Microsart® e.motion, motion activated filter dispenser
- Filters are individually sterile-sealed on a band
- Special pleating and shape of sealing band around membrane filters ensures perfectly flat and uniform dispensing of individual filters

Individually wrapped on pleated rolls, sterile packed, 47mm

<table>
<thead>
<tr>
<th>Filter Color / Grid</th>
<th>Pore Size</th>
<th>Pack Size</th>
<th>Cat. no.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0.45μm</td>
<td>300</td>
<td>11406247SCM</td>
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<tr>
<td>White/black</td>
<td>0.45μm High-Flow</td>
<td>300</td>
<td>114H6247SCM</td>
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<td>White/black</td>
<td>0.45μm High-Flow</td>
<td>450</td>
<td>114H6247SFM</td>
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<td>0.45μm</td>
<td>300</td>
<td>13006247SCM</td>
</tr>
<tr>
<td>Green/dark green</td>
<td>0.45μm</td>
<td>300</td>
<td>13806247SCM</td>
</tr>
<tr>
<td>White/green</td>
<td>0.45μm</td>
<td>300</td>
<td>13906247SCM</td>
</tr>
<tr>
<td>White/green</td>
<td>0.45μm High-Flow</td>
<td>300</td>
<td>139H6247SCM</td>
</tr>
</tbody>
</table>
Sterility Testing Culture Media

per USP <71>

**Tryptic Soy Broth**
100ml fill, 100ml bottle with needle-port septum, 20/pk......................... U46

**Fluid A**
100ml fill, 100ml bottle with needle-port septum, 20/pk.......................... U109

**Fluid Thioglycollate**
100ml fill, 100ml bottle with needle-port septum, 20/pk.......................... U84

**Fluid D**
100ml fill, 100ml bottle with needle-port septum, 20/pk.......................... U110
A convenient way to bring media into a controlled area.

Remove ReadyRack™ from box outside of cleanroom.
Take into cleanroom, then remove plastic bag.
Spray down entire ReadyRack™ with isopropyl alcohol.

Holes in the bottom of the rack allow for sterilant to drain
Convenient hand-holds
No cardboard for low particle counts

Packaged in a controlled environment to reduce particulates

Other tube formats and fill volumes are available upon request.
800.266.2222
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Tryptic Soy Broth (TSB), USP
16x125mm tube, 10ml fill, 80/pk......................K82BX

Fluid Thioglycollate Medium (FTM), USP
16x125mm tube, 10ml fill, 80/pk.....................K212BX

ReadyRack™ Empty Tube Rack
Holds 80, 16x125mm or 16x100mm tubes
25 racks per case .................................................RR25
Fluid A, USP
A rinsing and diluting fluid.
- 100ml glass bottle, 100ml fill, 20/pk .................. U109
- 200ml glass bottle, 200ml fill, 10/pk .................. U209
- 500ml polycarbonate bottle, 300ml fill, 10/pk.................. U349
- 600ml glass bottle, 300ml fill, 10/pk.................. U342
- 600ml glass bottle, 600ml fill, 10/pk.................. U249

Fluid D, USP
A rinsing and diluting fluid.
- 100ml glass bottle, 100ml fill, 20/pk .................. U110
- 500ml square polycarbonate bottle, 300ml fill, 10/pk.......................... U210
- 600ml glass bottle, 300ml fill, 10/pk.................. U346

Fluid K, USP
A rinsing and diluting fluid.
- 600ml glass bottle, 300ml fill, 10/pk.................. U348

Fluid Thioglycollate Broth with Indicator, USP
For the cultivation of microorganisms and USP sterility procedures.
- 16x125mm glass tube, 10ml fill, 20/pk.................. K282
- 20ml glass bottle, 15ml fill, 50/pk.................. U66
- 20ml glass bottle, 20ml fill 50/pk.................. U68
- 100ml glass bottle, 100ml fill, 20/pk.................. U84
- 200ml glass bottle, 150ml fill, 10/pk.................. U207
- 600ml glass bottle, 300ml fill, 10/pk.................. U427
- 600ml glass bottle, 500ml fill, 10/pk.................. U273

Reinforced Clostridial Medium, USP
For the cultivation of Clostridium spp. and other anaerobic and facultative bacteria.
- 125ml polycarbonate bottle, 100ml fill, 16/pk.................. U172

Sabouraud Dextrose Broth, USP
For the cultivation of fungi.
- 125ml polycarbonate bottle, 100ml fill, 16/pk.................. U73

Saline, 0.85% with 0.05% Tween® 80
For preparing dilutions and suspensions of microorganisms.
- 100ml glass bottle, 100ml fill, 20/pk.................. U330

Tryptic Soy Broth, USP
For the cultivation of microorganisms.
- 16x125mm glass tube, 10ml fill, 20/pk.................. K82
- 20ml glass bottle, 10ml fill, 50/pk.................. U8210
- 20ml glass bottle, 15ml fill, 50/pk.................. U82
- 20ml glass bottle, 20ml fill, 50/pk.................. U38
- 100ml glass bottle, 50ml fill, 20/pk.................. U267
- 100ml glass bottle, 100ml fill, 20/pk.................. U46
- 125ml polycarbonate bottle, 100ml fill, 16/pk.................. U141
- 600ml glass bottle, 300ml fill, 10/pk.................. U421
- 600ml glass bottle, 500ml fill, 10/pk.................. U274

Tryptic Soy Broth with 10% Glycerol
For the preservation of microorganisms by freezing.
- 100ml glass bottle, 100ml fill, 20/pk.................. U127

Tryptic Soy Broth with Lecithin and Tween® 20
For the cultivation of microorganisms.
- 100ml glass bottle, 100ml fill, 20/pk.................. U53

Tryptic Soy Broth with Lecithin and Tween® 80
For the cultivation of microorganisms.
- 20ml glass bottle, 10ml fill, 50/pk.................. U423
- 200ml glass bottle, 150ml fill, 10/pk.................. U424
- 600ml glass bottle, 300ml fill, 10/pk.................. U425
Plate and Tube Media

Blood Agar Plate, 5% Sheep Blood in Tryptic Soy Agar
General growth medium. (This product is for laboratory use only; not for human diagnostic use.)
15x100mm plate, 19ml fill, 10/pk............................A10

Cetrimide Selective Agar, USP
For the selective isolation of Pseudomonas aeruginosa.
15x100mm plate, 18ml fill, 10/pk............................G18

Columbia Agar, USP
For the isolation and cultivation of non-fastidious and fastidious microorganisms.
15x100mm plate, 18ml fill, 10/pk..........................G250

Deionized Water
For the preparation of dilutions and suspensions. 16x125mm glass tube, 9ml fill, 20/pk..........................K259

Dichloran Rose Bengal Chloramphenicol (DRBC) Agar
For use in the cultivation of yeast and mold.
15x100mm plate, 26ml fill, 10/pk..........................W89

EE Broth Mossel, USP
For the selective enrichment of Enterobacteriaceae.
16x125mm tube, 9ml fill, 20/pk..........................K191

Fluid Thioglycollate Broth with Indicator, USP
For the cultivation of microorganisms and USP sterility procedures. Contains resazurin oxygen indicator.
16x125mm tube, 10ml fill, 20/pk..........................K21
20x125mm tube, 10ml fill, 20/pk..........................K121

Fluid Thioglycollate with Hemin and Vitamin K
For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms.
16x125mm tube, 10ml fill, 20/pk..........................K73

Hektoen Enteric (HE) Agar
Recommended for the isolation and differentiation of gram-negative enteric pathogens.
15x100mm quad-plate, 5ml fill per section, 10/pk..........................J415

MacConkey Agar, USP
For the isolation and differentiation of gram-negative bacteria. (This product is for laboratory use only; not for human diagnostic use.)
15x100mm plate, 10/pk............................G35
15x100mm plate, 100/bx.................................G35BX

MacConkey Broth
For the isolation and differentiation of gram-negative bacteria.
16x125mm tube, 10ml fill, 20/pk..........................K196

MacConkey Broth with Durham Tube
For the detection of gram-negative, lactose fermenting bacilli.
16x100mm tube, 5ml fill, 20/pk..........................K194

mHPG Agar (Heterotrophic Plate Count)
Total bacteria counts in water and environmental samples.
20x125mm tube, 18ml deep, 20/pk..........................Q39

Malt Extract Agar
For the cultivation and enumeration of yeasts and molds.
15x100mm plate, 26ml deep, 10/pk..........................W28

Mannitol Salt Agar (MSA), USP
For the selective isolation and differentiation of Staphylococcus spp. (This product is for laboratory use only; not for human diagnostic use.)
15x100mm plate, 10/pk..........................G40

Nutrient Agar
For the isolation and cultivation of nonfastidious microorganisms.
15x100mm plate, deep fill, 10/pk..........................W51
20x150mm tube, 20ml deep, 100/bx..........................Q84

Potato Dextrose Agar, USP
For the cultivation of yeast and mold.
15x100mm plate, 26ml deep fill, 10/pk..........................W60
15x150mm plate, 68ml fill, 10/pk..........................H51
20x125mm pour tube, 18ml deep, 20/pk..........................Q29

Pseudomonas Agar F
For the identification of Pseudomonas aeruginosa and the detection of fluorescein.
15x100mm plate, 18ml fill, 10/pk..........................G198

Pseudomonas Agar P
For the identification of Pseudomonas aeruginosa and the detection of pyocyanin.
15x100mm plate, 18ml fill, 10/pk..........................G201

Rappaport-Vassiliadis Broth, USP
For the selective enrichment of Salmonella spp.
16x125mm tube, 10ml fill, 20/pk..........................K246

Reinforced Clostridial Medium with Na Lactate
For the cultivation and enumeration of clostridia, and other anaerobic and facultative bacteria.
16x125mm tube, 10ml fill, 20/pk..........................K351

See page 4 for Irradiated Plates
Tryptic Soy Broth (TSB), USP
For sterility testing and cultivation of microorganisms. Also known as Soybean-Casein Digest Broth.
15x103mm tube, 5ml fill, 20/pk .........................K89
16x125mm tube, 10ml fill, 100/bx ........................K82
20x125mm tube, 15ml fill, 20/pk .........................K83
20x150mm tube, 20ml fill, 100/bx ........................K80

Tryptic Soy Broth with 15% Glycerol
For the preservation of organisms by freezing. A 15% concentration of glycerol is added to the broths to maintain viability of microorganisms and to protect cell membranes.
16x100mm plate, 5ml fill, 20/pk ...........................K242

Violet Red Bile with Glucose Agar
For the detection of coliforms.
15x100mm biplate, 10/pk .................................J132
15x100mm plate, USP, 18ml fill, 10/pk ..................G178

Xylose Lysine Deoxycholate (XLD) Agar
For the selective isolation of pathogenic, gram-negative enteric bacteria.
15x100mm plate, USP, 10/pk ...............................G65

Sabouraud Dextrose (Sabdex) Agar, Blue
For the cultivation of fungi. Blue green color enables easy differentiation from Tryptic Soy Agar or other light amber colored media.
15x100mm plate, 26ml fill, 10/pk .........................W82

Sabouraud Dextrose (Sabdex) Agar with Chloramphenicol
For the cultivation of fungi. Blue green color enables easy differentiation from Tryptic Soy Agar or other light amber colored media.
16x125mm tube, 18ml fill, 20/pk ........................Q34

Sabouraud Dextrose (Sabdex) Broth
For the cultivation of fungi.
16x125mm tube, 10ml fill, 10/pk ..........................K54

Sabouraud Dextrose (Sabdex) Agar with Lecithin and Tween® 80
For the cultivation of yeast and mold.
15x100mm plate, 26ml fill, 10/pk ..........................W71

Tryptic Soy Agar (TSA), USP
For the cultivation of microorganisms. Also known as Soybean-Casein Digest Agar.
15x100mm plate, 10/pk .................................G60
15x100mm plate, 100/bx .................................G60BX
15x100mm plate, 26ml fill, 10/pk ........................W64
15x150mm plate, 69ml fill, 10/pk ........................H19
20x125mm pour tube, 18ml deep, 20/pk ..............Q58
20x150mm tube, 1.5x, 20ml deep, 100/bx .............Q80

Tryptic Soy Agar with Lecithin and Tween® 80
For the cultivation and enumeration of microorganisms.
20x125mm tube, deep, 18ml fill, 20/pk ...............Q13
15x100mm plate, 27ml fill, USP, 10/pk ...............G41

Tryptic Soy Agar / Cetrimide Agar/ Mannitol Salt Agar, Triplate
• TSA, for the cultivation of microorganisms.
• Cetrimide, for the selective isolation of Pseudomonas aeruginosa.
• MSA, for the selective isolation and differentiation of Staphylococcus spp.
15x100mm triplate, 21ml fill per section, 10/pk .................................................................J330

Sabouraud Dextrose (Sabdex) Agar
For sterility testing and cultivation of microorganisms. Also known as Soybean-Casein Digest Broth.
15x103mm tube, 5ml fill, 20/pk ............................K89
16x125mm tube, 10ml fill, 100/bx ........................K82
20x125mm tube, 15ml fill, 20/pk ..........................K83
20x150mm tube, 20ml fill, 100/bx ........................K80

MacConkey Agar, USP
Cat. no. G35
Bottle and Jar Media

Antibiotic Media, USP
For use in the determination of antimicrobial activity per USP <81>.
- #32, 500ml polycarbonate bottle, 400ml fill, 10/pk..........................................................U306
- #35, 500ml polycarbonate bottle, 400ml fill, 10/pk..........................................................U307
- #34, 500ml polycarbonate bottle, 400ml fill, 10/pk..........................................................U308
- #9, 500ml polycarbonate bottle, 400ml fill, 10/pk..........................................................U509
- #10, 473ml boston round glass bottle, 12/pk..........................................................U510

Buffer No. 3, USP
For use in antibiotic potency assays.
- 500ml polycarbonate bottle, 500ml fill, 10/pk..........................................................U309

Buffer, USP <81>
For use in antibiotic potency assays.
- #4, 500ml polycarbonate bottle, 500ml fill, 10/pk..........................................................U310
- #16, 500ml polycarbonate bottle, 10/pk..........................................................U511

Buffered Sodium Chloride Peptone, USP
For use as a rinse fluid for membrane filtration methods.
- 500ml polycarbonate bottle, 500ml fill, 10/pk..........................................................U311

Buffered Sodium Chloride Peptone Solution (pH 7.0), USP
For the preparation of isotonic suspensions and dilutions of microorganisms.
- 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..................................................U255

D/E Neutralizing Broth
To neutralize antiseptics and disinfectants as well as to detect organisms remaining after treatment.
- 60ml polypropylene bottle, 100ml fill, 25/pk..........................................................U332

EE Broth Mossel, USP
For the selective enrichment of Enterobacteriaceae.
- 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..................................................U391
- 150ml wide mouth polycarbonate jar, 100ml, 12/pk..................................................U392

Fluid A, USP
For use as a diluting and rinsing fluid.
- 120ml boston round glass bottle, 100ml fill, 20/pk..................................................U136
- 130ml polypropylene bottle, 100ml fill, 12/pk..................................................U137
- 250ml boston round glass bottle, 200ml fill, 12/pk..................................................U436
- 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..................................................U171
- 1L polycarbonate bottle, 1L fill, 10/pk..................................................U208

Fluid D, USP
A rinsing and diluting fluid.
- 120ml boston round glass bottle, 100ml fill, 20/pk..................................................U138
- 180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..................................................U139
- 500ml polycarbonate bottle, 500ml fill, 10/pk..................................................U215
- 1L polycarbonate bottle, 1L fill, 10/pk..................................................U115

Fluid K, USP
A rinsing and diluting fluid.
- 1L polycarbonate bottle, 1L fill, 10/pk..................................................U206

Fluid Thioglycollate Broth with Indicator
For the cultivation of microorganisms and sterility procedures. Contains resazurin oxygen indicator.
- 120ml boston round glass bottle, USP, 20/pk..................................................U121
- 250ml boston round glass bottle, 200ml fill, 12/pk..................................................U434
- 200ml wide mouth glass jar, USP, 100ml fill, 12/pk..................................................U41

Lactose Broth with Lecithin and Tween®
Used to detect coliforms in pharmaceuticals. Also used to pre-enrich samples for the recovery of Salmonella spp.
- Tween® 80, 200ml wide mouth glass jar, 90ml fill, 12/pk..................................................U105
- Tween® 80, 500ml polycarbonate bottle, 500ml fill, 10/pk..................................................U246

MacConkey Broth, USP
For the detection of gram-negative, lactose fermenting bacilli.
- 180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..................................................U125
<table>
<thead>
<tr>
<th>Product Description</th>
<th>Container Details</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sabouraud Dextrose Agar with Lecithin and Tween® 80</td>
<td>500ml polycarbonate bottle, 400ml fill, 10/pk</td>
<td>U175</td>
</tr>
<tr>
<td></td>
<td>473ml boston round glass bottle, 400ml fill, 12/pk</td>
<td>U431</td>
</tr>
<tr>
<td>Saline 0.9%</td>
<td>500ml polycarbonate bottle, 10/pk</td>
<td>U264</td>
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<tr>
<td>Sterile Water</td>
<td>1L polycarbonate bottle, 1L fill, 10/pk</td>
<td>U318</td>
</tr>
<tr>
<td></td>
<td>1L polycarbonate bottle, 1L fill, 10/pk</td>
<td>U319</td>
</tr>
<tr>
<td>Peptone Water, 0.1%</td>
<td>120ml boston round glass bottle, 100ml fill, 20/pk</td>
<td>U202</td>
</tr>
<tr>
<td>Phosphate Buffer, pH 7.2</td>
<td>500ml polycarbonate bottle, 500ml fill, 10/pk</td>
<td>U438</td>
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<tr>
<td>Phosphate Buffer with Magnesium Chloride</td>
<td>1L polycarbonate bottle, 1L fill, 10/pk</td>
<td>U217</td>
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<td></td>
<td>500ml polycarbonate bottle, USP, 500ml fill, 10/pk</td>
<td>U193</td>
</tr>
<tr>
<td>Potato Dextrose Agar, USP</td>
<td>250ml boston round glass bottle, 200ml fill, 12/pk</td>
<td>U294</td>
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<tr>
<td></td>
<td>500ml polycarbonate bottle, USP, 500ml fill, 10/pk</td>
<td>U376</td>
</tr>
<tr>
<td>Sabouraud Dextrose Agar</td>
<td>500ml polycarbonate bottle, USP, 200ml fill, 10/pk</td>
<td>U270</td>
</tr>
<tr>
<td></td>
<td>473ml boston round glass bottle, USP, 200ml fill, 12/pk</td>
<td>U227</td>
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<tr>
<td></td>
<td>473ml boston round glass bottle, 400ml fill, 12/pk</td>
<td>U352</td>
</tr>
<tr>
<td></td>
<td>500ml polycarbonate bottle, USP, 400ml fill, SabDex, Emmons, 10/pk</td>
<td>U356</td>
</tr>
<tr>
<td></td>
<td>500ml polycarbonate bottle, USP, 500ml fill, 10/pk</td>
<td>U353</td>
</tr>
<tr>
<td>Thioglycollate with H and K (Hemin and Vitamin K), USP</td>
<td>120ml boston round glass bottle, 100ml fill, 20/pk</td>
<td>U43</td>
</tr>
<tr>
<td>Tryptone-Azolectin-Tween® (TAT) Broth</td>
<td>120ml boston round glass bottle, 90ml fill, 20/pk</td>
<td>U87</td>
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<tr>
<td></td>
<td>180ml polycarbonate wide mouth jar, 9 9ml fill, 12/pk</td>
<td>U88</td>
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<td></td>
<td>1L polycarbonate bottle, 490ml fill, 10/pk</td>
<td>U318</td>
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<tr>
<td></td>
<td>1L polycarbonate bottle, 1L fill, 10/pk</td>
<td>U319</td>
</tr>
</tbody>
</table>
**Tryptic Soy Agar, 1.5X Strength**
For use as a general growth medium for the isolation and cultivation of microorganisms.
250ml boston round glass bottle, 150ml fill, 20/pk.................................................................U112

**Tryptic Soy Agar, USP**
For use as a general growth medium for the isolation and cultivation of microorganisms.
250ml boston round glass bottle, 150ml fill, 20/pk.................................................................U49
250ml boston round glass bottle, 200ml fill, 12/pk.................................................................U252
473ml boston round glass bottle, 400ml fill, 12/pk.................................................................U412
500ml heavy duty glass bottle, 500ml fill, each.................................................................U158
500ml polycarbonate bottle, 500ml fill, 10/pk.................................................................U174
1L polycarbonate bottle, 700ml fill, 10/pk.................................................................U60
1L polycarbonate bottle, 1L fill, 10/pk.................................................................U373

**Tryptic Soy Agar with Lecithin and Tween® 80**
For the cultivation and enumeration of microorganisms.
500ml polycarbonate bottle, 400ml fill, 10/pk.................................................................U174
473ml boston round glass bottle, 400ml fill, 12/pk.................................................................U412

**Tryptic Soy Broth, USP**
For sterility testing and the cultivation of microorganisms.
60ml boston round glass bottle, 50ml fill, 24/pk.................................................................U44
120ml boston round glass bottle, 100ml fill, 20/pk.................................................................U42
180ml polycarbonate wide mouth jar, 25ml fill, 12/pk..............................................................U223
180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..............................................................U71
180ml polycarbonate wide mouth jar, USP, 180ml fill, 12/pk..............................................................U316
180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..............................................................U133
250ml boston round glass bottle, 160ml fill, 12/pk..............................................................U171
250ml boston round glass bottle, 200ml fill, 12/pk..............................................................U435
473ml boston round glass bottle, 400ml fill, 12/pk..............................................................U242
500ml heavy duty glass bottle, 500ml fill, each..............................................................U62
1L polycarbonate bottle, 1L fill, 10/pk..................U67

**Tryptic Soy Broth with Lecithin and Tween® 20**
For the cultivation of microorganisms.
180ml polycarbonate wide mouth jar, 90ml fill, USP, 12/pk..................................................U241
180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..........................................................U261

**Tryptic Soy Broth, Double Strength, USP**
For the cultivation of microorganisms.
120ml boston round glass bottle, 25ml fill, 12/pk..........................................................U225
180ml polycarbonate wide mouth jar, 50ml fill, 12/pk..........................................................U205
250ml boston round glass bottle, 100ml fill, 12/pk..........................................................U70
500ml polycarbonate bottle, 150ml fill, 10/pk..........................................................U350

**Tryptic Soy Broth with Lecithin and Tween® 80**
For the cultivation of microorganisms.
180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..........................................................U134
500ml polypropylene bottle, 500ml fill, 10/pk..........................................................U229
**Test for Bile-Tolerant Gram Negative Bacteria**

**EE Broth, Mossel**
For the selective enrichment and detection of Enterobacteriaceae.

- Mylar® zip-bag, makes 2L, each.........................C8710
- 500gm wide-mouth bottle, each..........................C8711
- 2kg bucket, each...............................................C8712
- 10kg bucket, each..............................................C8713

**Violet Red Bile Glucose Agar (VRBGA)**
For the detection and enumeration of Enterobacteriaceae.

- Mylar® zip-bag, makes 2L, each.........................C7270
- 500gm wide-mouth bottle, each..........................C7271
- 2kg bucket, each...............................................C7272
- 10kg bucket, each..............................................C7273

**Test for Pseudomonas aeruginosa**

**Cetrimide Selective Agar**
For use in the isolation and detection of Pseudomonas aeruginosa.

- Mylar® zip-bag, makes 2L, each.........................C5370
- 500gm wide-mouth bottle, each..........................C5371
- 2kg bucket, each...............................................C5372
- 10kg bucket, each..............................................C5373

**Test for Escherichia coli**

**MacConkey Broth**
For cultivating gram-negative, lactose-fermenting bacilli as a presumptive test for coliforms.

- Mylar® zip-bag, makes 2L, each.........................C6140
- 500gm wide-mouth bottle, each..........................C6141
- 2kg bucket, each...............................................C6142
- 10kg bucket, each..............................................C6143

**MacConkey Agar**
For use as a selective and differential medium for the isolation of gram-negative bacilli (including coliform organisms and enteric pathogens), on the basis of lactose fermentation.

- Mylar® zip-bag, makes 2L, each.........................C6130
- 500gm wide-mouth bottle, each..........................C6131
- 2kg bucket, each...............................................C6132
- 10kg bucket, each..............................................C6133

**Test for Salmonella**

**Rappaport Vassiliadis Salmonella Enrichment Broth**
For the detection and isolation of motile Salmonella spp.

- Mylar® zip-bag, makes 2L, each.........................C8780
- 500gm wide-mouth bottle, each..........................C8781
- 2kg bucket, each...............................................C8782
- 10kg bucket, each..............................................C8783
**Rappaport-Vassiliadis (MSRV) Medium Base, Semisolid Modification, USP**
For the detection and isolation of motile Salmonella spp. in feces and food products.
Mylar® zip-bag, makes 2L, each ........................................... C5370
500gm wide-mouth bottle, each ........................................... C5371
2kg bucket, each .............................................................. C5372
10kg bucket, each ............................................................ C5373

**Xylose-Lysine-Deoxycholate Agar (XLD)**
For use as a selective and differential medium for the isolation of gram-negative enteric pathogens such as Salmonella and Shigella.
Mylar® zip-bag, makes 2L, each ........................................... C7320
500gm wide-mouth bottle, each ........................................... C7321
2kg bucket, each .............................................................. C7322
10kg bucket, each ............................................................ C7323

**Test for Staphylococcus aureus**
**Mannitol Salt Agar (MSA)**
For use as a selective and differential medium for the isolation of pathogenic staphylococci.
Mylar® zip-bag, makes 2L, each ........................................... C6230
500gm wide-mouth bottle, each ........................................... C6231
2kg bucket, each .............................................................. C6232
10kg bucket, each ............................................................ C6233

**Test for Clostridia**
**Reinforced Clostridial Medium**
For the cultivation and enumeration of Clostridium spp. and other anaerobic and facultative bacteria.
Mylar® zip-bag, makes 2L, each ........................................... C8720
500gm wide-mouth bottle, each ........................................... C8721
2kg bucket, each .............................................................. C8722
10kg bucket, each ............................................................ C8723

**Columbia Agar**
For cultivating fastidious and non-fastidious microorganisms with or without the addition of blood.
Mylar® zip-bag, makes 2L, each ........................................... C5450
500gm wide-mouth bottle, each ........................................... C5451
2kg bucket, each .............................................................. C5452
10kg bucket, each ............................................................ C5453

**Test for Candida albicans**
**Sabouraud Dextrose (SabDex) Agar**
For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic fungi.
Mylar® zip-bag, makes 2L, each ........................................... C6810
500gm wide-mouth bottle, each ........................................... C6811
2kg bucket, each .............................................................. C6812
10kg bucket, each ............................................................ C6813

**Sabouraud Dextrose (SabDex) Broth**
For the cultivation and maintenance of nonpathogenic and pathogenic fungi.
Mylar® zip-bag, makes 2L, each ........................................... C7560
500gm wide-mouth bottle, each ........................................... C7561
2kg bucket, each .............................................................. C7562
10kg bucket, each ............................................................ C7563

**Potato Dextrose Agar**
For the cultivation and identification of fungi.
Mylar® zip-bag, makes 2L, each ........................................... C6620
500gm wide-mouth bottle, each ........................................... C6621
2kg bucket, each .............................................................. C6622
10kg bucket, each ............................................................ C6623

**Microbial Enumeration Tests**
**Sabouraud Dextrose (SabDex) Agar**
For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic fungi.
Mylar® zip-bag, makes 2L, each ........................................... C6810
500gm wide-mouth bottle, each ........................................... C6811
2kg bucket, each .............................................................. C6812
10kg bucket, each ............................................................ C6813

**Tryptic Soy Agar (TSA)**
For use as a general growth medium for the isolation and cultivation of microorganisms.
Mylar® zip-bag, makes 2L, each ........................................... C7120
500gm wide-mouth bottle, each ........................................... C7121
2kg bucket, each .............................................................. C7122
10kg bucket, each ............................................................ C7123

**Tryptic Soy Broth (TSB)**
For use as a general growth medium for the isolation and cultivation of microorganisms.
Mylar® zip-bag, makes 2L, each ........................................... C7140
500gm wide-mouth bottle, each ........................................... C7141
2kg bucket, each .............................................................. C7142
10kg bucket, each ............................................................ C7143

**Buffers and Solutions**
**Phosphate Buffer, pH 7.2**
Used as a buffering agent in the preparation of culture media.
500gm wide-mouth bottle, each ........................................... C8331

**Fluid Thioglycollate Media**
For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms.
Mylar® zip-bag, makes 2L, each ........................................... C7500
500gm wide-mouth bottle, each ........................................... C7501
2kg bucket, each .............................................................. C7502
10kg bucket, each ............................................................ C7503
EZ-Accu Shot™ Select includes five compendial microorganism strains for Growth Promotion Testing in one convenient package. EZ-Accu Shot™ Select lyophilized microorganism preparations are designed to deliver less than 100 CFU per 0.1ml of hydrated suspension as recommended by the USP/JP/Ph. Eur. With little to no preparation time required and up to eight hours of stability, EZ-Accu Shot™ Select adds efficiency and flexibility to QC laboratories. Each 1.2ml vial of hydrated suspension offers 10 inocula.

EZ-Accu Shot™ Select kit includes:

- 5 compendial microorganism strains:
  - *Escherichia coli* derived from ATCC® 8739™ *
  - *Aspergillus brasiliensis* derived from ATCC® 16404™ *
  - *Bacillus subtilis* ssp. *spizizenii* derived from ATCC® 6633™ *
  - *Candida albicans* derived from ATCC® 10231™ *
  - *Pseudomonas aeruginosa* derived from ATCC® 9027™ *
  - *Staphylococcus aureus* derived from ATCC® 6538™ *

- 1 vial of each microorganism (1 lyophilized pellet per vial)
- 6 vials of hydrating fluid (1.2ml in each vial)
- 6 peel-off labels, one for each strain

Each/kit ................................................... 8172

Buy EZ-Accu Shot™ Organisms Individually

*Aspergillus brasiliensis* derived from ATCC® 16404™ * ....................................................... 0392A
*Escherichia coli* derived from ATCC® 8739™ * ............................................................. 0483A
*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 13311™ * ... 0421A
*Salmonella enterica* subsp. *enterica* serovar Typhimurium derived from ATCC® 14028™ * ....................................................... 0363A
*Staphylococcus aureus* derived from ATCC® 6538™ * ........................................................ 0485A

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Preservative Efficacy Testing

EZ-PEC™

Antimicrobial Effectiveness and Preservative Efficacy Testing are a critical element to the development of safe and effective Cosmetic and Pharmaceutical products. Ready-to-use EZ-PEC™ quantitative microorganism preparations are designed to provide the required microorganism challenge concentrations for Antimicrobial Effectiveness Tests and Preservative Efficacy Tests. When processed as directed, EZ-PEC™ delivers a final concentration of 1.0x10^5 to 1.0x10^6 CFU per ml of the product being tested.

Features and Benefits:
- More cost-effective than similar products
- Highly characterized, licensed, and traceable strains
- Kit contains microorganisms and hydrating fluid
- Online Certificate of Analysis
- Online Statistical Analysis Certificate
- Product Warranty

EZ-PEC™ kit includes:
- 20 lyophilized pellets of a single enumerated strain
- 10 vials of hydrating fluid (2 ml in each vial)

Aspergillus brasiliensis derived from ATCC® 16404™ ....................0392PEC
Bacillus subtilis subsp. spizizenii derived from ATCC® 6633™ ............0486PEC
Candida albicans derived from ATCC® 10231™ .................................0443PEC
Escherichia coli derived from ATCC® 8739™ .................................0483PEC
Escherichia coli NCIMB 8545 ......................................................0581PEC
Pseudomonas aeruginosa derived from ATCC® 9027™ ....................0484PEC
Staphylococcus aureus subsp. aureus derived from ATCC® 6538™ ........0485PEC

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QC Microorganisms

Epower™ microorganisms can be used to perform many essential quality control functions including microbial detection and enumeration, equipment calibration, method validation, bioburden determination, disinfectant challenge testing and antibacterial effectiveness and lethality testing. Available in concentrations ranging from $10^2$ to $10^8$ CFU per pellet, Epower™ lyophilized microorganism preparations are extremely versatile. Epower™ pellets can be used individually or several Epower™ pellets can be combined for a mixed microorganism population challenge. They can also be easily manipulated to deliver a wide variety of concentrations. For added convenience, a peel-off Certificate of Assay is included for quality control documentation. Epower™ is packaged in a resealable vial containing 10 pellets of a single quantitative microorganism strain.

**Features and Benefits:**
- Quantitative
- Refrigerated storage
- Peel-off Certificate of Assay
- Online Certificate of Analysis
- Traceable to reference culture
- Product warranty
- Saves time and reduces labor by delivering a specific number of colony forming units (CFU)
- Easily manipulated to deliver desired CFU levels
- Easy storage & no dry ice required, reduces shipping costs
- Cost effective & economical
- Complete and convenient documentation
- Documentation of phenotypic, macroscopic and microscopic test results
- Assured quality, meets USP guidelines
- Increased customer confidence

**Epower™ products available**

- **Aspergillus brasiliensis** derived from ATCC® 16404™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0392E3
- **Aspergillus brasiliensis** derived from ATCC® 16404™,
  - 1.0-9.9E+06 CFU per pellet .................................................
  - 0392E6
- **Bacillus cereus** derived from ATCC® 10876™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0998E3
- **Bacillus subtilis** subsp. spizizenii derived from ATCC® 6633™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0486E3
- **Bacillus subtilis** subsp. spizizenii derived from ATCC® 6633™,
  - 1.0-9.9E+04 CFU per pellet.................................................
  - 0486E4
- **Bacillus subtilis** subsp. spizizenii derived from ATCC® 6633™,
  - 1.0-9.9E+06 CFU per pellet.................................................
  - 0486E6
- **Burkholderia cepacia** derived from ATCC® 25416™,
  - 1.0-9.9E+07 CFU per pellet.................................................
  - 0488E7
- **Burkholderia cepacia** derived from ATCC® 25608™,
  - 1.0-9.9E+07 CFU per pellet.................................................
  - 0836E7
- **Candida albicans** derived from ATCC® 10231™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0443E3
- **Candida albicans** derived from ATCC® 10231™,
  - 1.0-9.9E+07 CFU per pellet.................................................
  - 0443E7
- **Candida albicans** derived from ATCC® 10231™,
  - 1.0-9.9E+04 CFU per pellet.................................................
  - 0443E4
- **Clostridium sporogenes** derived from ATCC® 11437™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0487E3
- **Clostridium sporogenes** derived from ATCC® 19404™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0317E3
- **Cronobacter muytjensii** derived from ATCC® 51329™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0756E3
- **Enterobacter cloacae** subsp. cloacae derived from ATCC® 35030™,
  - 1.0-9.9E+08 CFU per pellet.................................................
  - 0388E8
- **Enterococcus faecalis** derived from ATCC® 29212™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0366E3
- **Enterococcus faecalis** derived from ATCC® 29212™,
  - 1.0-9.9E+07 CFU per pellet.................................................
  - 0366E7
- **Enterococcus faecalis** derived from ATCC® 7080™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0497E3
- **Escherichia coli** derived from ATCC® 35218™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0495E3
- **Escherichia coli** derived from ATCC® 43888™,
  - 1.0 to 9.9 x 10^6 CFU per pellet............................................
  - 0879E2
- **Escherichia coli** derived from ATCC® 51813™,
  - 1.0-9.9E+03 CFU per pellet.................................................
  - 0791E3
Escherichia coli derived from ATCC® 51813™,*
1.0-9.9E+04 CFU per pellet ..............................................0791E4
Escherichia coli derived from ATCC® 8739™,*
1.0-9.9E+03 CFU per pellet ..............................................0483E3
Escherichia coli derived from ATCC® 8739™,
1.0-9.9E+07 CFU per pellet ..............................................0483E7
Escherichia coli (O157:H7) derived from ATCC® 35150™,*
1.0-9.9E+03 CFU per pellet ..............................................0617E3
Escherichia coli (O104:H4) derived from ATCC® BAA-2326™,*
1.0-9.9E+03 CFU per pellet ..............................................102E3
Escherichia coli (O103:H11) derived from CDC 06-3008,
1.0-9.9E+03 CFU per pellet ..............................................0118E3
Escherichia coli (O111:H8) derived from CDC 2010C-3114,
1.0-9.9E+03 CFU per pellet ..............................................0118E3
Escherichia coli (O145:NM) derived from CDC 99-3311,
1.0-9.9E+03 CFU per pellet ..............................................0109E3
Escherichia coli (O26:H11) derived from CDC 03-3014,
1.0-9.9E+03 CFU per pellet ..............................................0110E3
Escherichia coli (O26:H11) derived from CDC 03-3014,
1.0-9.9E+02 CFU per pellet ..............................................0110E2
Escherichia coli (O45:H2) derived from CDC 00-3039,
1.0-9.9E+03 CFU per pellet ..............................................0109E3
Escherichia coli derived from NCTC 13216,
1.0-9.9E+03 CFU per pellet ..............................................0119E2
Geobacillus stearothermophilus derived from ATCC® 7953™,*
1.0-9.9E+03 CFU per pellet ..............................................0871E3
Klebsiella aerogenes derived from 13048™,*
1.0-9.9E+03 CFU per pellet ..............................................0306E3
Klebsiella pneumoniae derived from 10031™,*
1.0-9.9E+07 CFU per pellet ..............................................0684E7
Kocuria rhizophila derived from ATCC® 9341™,*
1.0-9.9E+03 CFU per pellet ..............................................0688E3
Kocuria rhizophila derived from ATCC® 9341™,*
1.0-9.9E+04 CFU per pellet ..............................................0688E4
Lactobacillus fermentum ATCC® 9338™,*
1.0-9.9E+03 CFU per pellet ..............................................0881E3
Lactococcus lactis subsp. lactis ATCC® 19435™,*
1.0-9.9E+03 CFU per pellet ..............................................19435
Listeria innocua derived from NCTC 11288,
1.0-9.9E+03 CFU per pellet ..............................................0414E3
Listeria monocytogenes derived from ATCC® 13932™,*
1.0-9.9E+03 CFU per pellet ..............................................0129E3
Listeria monocytogenes derived from ATCC® 1911™,*
1.0-9.9E+03 CFU per pellet ..............................................0277E3
Listeria monocytogenes derived from ATCC® 19115™,*
1.0-9.9E+02 CFU per pellet ..............................................0687E2
Listeria monocytogenes derived from ATCC® 19115™,*
1.0-9.9E+03 CFU per pellet ..............................................0687E3
Penicillium aurantiogriseum derived from ATCC® 16025™,*
1.0-9.9E+03 CFU per pellet ..............................................0794E3
Pseudomonas aeruginosa derived from ATCC® 15442™,*
1.0-9.9E+03 CFU per pellet ..............................................0693E3
Pseudomonas aeruginosa derived from ATCC® 27853™,*
1.0-9.9E+03 CFU per pellet ..............................................0353E3
Pseudomonas aeruginosa derived from ATCC® 27853™,*
1.0-9.9E+06 CFU per pellet ..............................................0353E6
Pseudomonas aeruginosa derived from ATCC® 9027™,*
1.0-9.9E+07 CFU per pellet ..............................................0484E7
Sarcococci cerevisiae derived from ATCC® 9763™,*
1.0-9.9E+03 CFU per pellet ..............................................0699E3
Sarcococci kudravzevii derived from ATCC® 2601™,*
1.0-9.9E+03 CFU per pellet ..............................................0698E3
Salmonella enterica subspp. enterica serovar Abony derived from NCTC 6017, 1.0-9.9E+07 CFU per pellet ..............................................0899E7
Salmonella enterica subspp. enterica serovar Abony derived from NCTC 6017, 1.0-9.9E+07 CFU per pellet ..............................................0899E7
Salmonella typhimurium derived from ATCC® 13311™,*
1.0-9.9E+03 CFU per pellet ..............................................0421E3
Salmonella typhimurium derived from ATCC® 13311™,*
1.0 to 9.9 x 10^4 CFU per pellet ..............................................0421E7
Salmonella enterica derived from ATCC® 14028™,*
1.0-9.9E+03 CFU per pellet ..............................................0363E4
Salmonella enterica derived from ATCC® 14028™,*
1.0-9.9E+04 CFU per pellet ..............................................0363E4
Staphylococcus aureus subsp. aureus derived from ATCC® 25923™,*
1.0-9.9E+03 CFU per pellet ..............................................0360E3
Staphylococcus aureus subsp. aureus ATCC® 25923™,*
1.0 to 9.9 x 10^4 CFU per pellet ..............................................0360E4
Staphylococcus aureus subsp. aureus ATCC® 6538P™,*
1.0-9.9E+03 CFU per pellet ..............................................0827E3
Staphylococcus aureus subsp. aureus derived from ATCC® 6538P™,*
1.0-9.9E+03 CFU per pellet ..............................................0485E3
Staphylococcus aureus subsp. aureus derived from ATCC® 6538P™,*
1.0-9.9E+04 CFU per pellet ..............................................0485E7
Staphylococcus aureus subsp. aureus derived from ATCC® 700699™,*
1.0-9.9E+04 CFU per pellet ..............................................0158E4
Staphylococcus epidermidis derived from ATCC® 12228™,*
1.0-9.9E+03 CFU per pellet ..............................................0371E4
Staphylococcus epidermidis derived from ATCC® 12228™,*
1.0-9.9E+04 CFU per pellet ..............................................0371E4
Staphylococcus epidermidis derived from ATCC® 12228™,*
1.0-9.9E+04 CFU per pellet ..............................................0373E4
Staphylococcus epidermidis derived from ATCC® 12228™,*
1.0-9.9E+04 CFU per pellet ..............................................0373E4
Zygosaccharomyces rouxii derived from ATCC® 28253™,*
1.0-9.9E+03 CFU per pellet ..............................................0803E3
Zygosaccharomyces rouxii derived from ATCC® 28253™,*
1.0-9.9E+04 CFU per pellet ..............................................0803E4

The mean assay value provided on the Certificate of Assay label is the average assay value obtained by Microbiologists. Specific methods and materials are employed in determining the mean assay value. Your results may differ from the assay value listed on the product’s label due to the use of different materials and methods.
Cryogenic Vials

Brucella Broth with 10% Glycerol, and Beads

Store stock organisms for extended periods of time using Hardy Diagnostics CryoSavers™. A simple, safe, and convenient way to store organisms at ultra low temperatures for future use.

2ml cryovial, 1.2ml fill.
Natural cap, 100/bx........................................CS100B

Your Strain
Send your environmental isolate or objectionable microorganism to Microbiologics. Our team will professionally preserve the strain and create a product for your QC testing needs.

Your Format
Whether you are performing growth promotion, antimicrobial effectiveness or disinfectant qualification, we can design an easy-to-use, convenient QC microorganism product based on your packaging preferences and target concentration for quantitative products.

Your Convenience
Your custom-designed product is then shipped as needed to your testing location(s) throughout the world. Your lab will save a tremendous amount of time, labor and money.

Objectionable microorganisms in exact configuration you need.
Contact your Hardy Account Manager to get started!
Anaerobic Microbiology

**AnaeroGen™ Compact**

AnaeroGen™ Compact is a simple-to-use system for rapidly generating an anaerobic environment necessary to cultivate anaerobic microorganisms. The AnaeroGen™ Compact system consists of an AnaeroGen™ sachet, oxygen impermeable pouch, and sealing clip. Each pouch is large enough to hold four 15x100mm petri plates.

**Features and Benefits**

- No catalyst needed and no water required for activation
- No potentially explosive hydrogen gas produced
- No dangerous build-up of pressure
- Sachet is activated upon opening
- Final atmosphere generated contains less than 1% oxygen, which is ideal for the growth of anaerobes

Sachets and Pouches, 10/bx............AN010C
Sealing Clips, 5/bx (reusable)...........AN005C

**Jar System for Anaerobes**

AnaeroGen™ is a simple-to-use system for rapidly generating an anaerobic environment necessary to cultivate anaerobic microorganisms within a sealed jar. The AnaeroGen™ system consists of an AnaeroGen™ sachet and an oxygen indicator within a 2.5 gas jar. Each sachet generates enough gas for a 2.5 liter jar.

AnaeroGen™ 2.5 liter Sachets, 10 sachets/bx..................AN25US
Anaerobic Indicator Strip, 100 strips/bx......................BR55
Automated Gram Staining

Electro-Optical Decolorization
The GramPRO 1™ is equipped with a patented electro-optical “eye” that fine tunes the decolorization process while accommodating various sample thicknesses. The GramPRO 1™ is ideal for standardizing Gram staining in labs and ensuring consistency regardless of technician experience. No more under or over decolorization!

Fast, Hands-Free Staining
Totally hands free, each slide is automatically stained, decolorized and counter stained in about 5 minutes. Load the slide, select the stain cycle, and walk away! The user is alerted once the staining process is complete.

Small Compact Size
The GramPRO 1™ is small enough to fit on any lab counter top. Fits near most microscopes and sinks. The elongated waste tube allows for waste to be contained or disposed down the sink.

Easy Maintenance
It’s as simple as the push of a button. GramPRO 1™ has built-in cleaning procedures for ease of use and optimal stain quality. No more messy sinks and stained counters! The instrument prompts the user when maintenance is required and gives step-by-step instructions.

Cat. no. GP1

Instructional videos available online at HardyDiagnostics.com/GramPRO/
Additional Features:

- Standardization across all shifts and technicians
- Individual stain preference controls for color intensity and operator preference
- Consistency regardless of sample types or thicknesses
- Waste is easy to contain or drain

**Standardization & Consistency**

**Small footprint**
12”W x 16”H x 13”D

**Programmable for stain intensity**

**Patented electro-optical eye decolorizing**

**Conveniently store reagents beside machine**

Audible signal when process is complete
- No technical expertise required – Produces high quality stain every time
- Need higher throughput? Buy two or three GramPRO 1’s to meet your lab needs!
**Mycoplasma**

**A8 Agar**
For the selective isolation of *Mycoplasma hominis* and *Ureaplasma urealyticum*.  
15x60mm plate, 10/pk.................................G02

**CVM Transport Media**
A multi-purpose transport for Chlamydia, Viruses, Ureaplasma, and Mycoplasma.  
15x120mm centrifuge tube, 2ml fill, 20/pk.......R96

**Frey Medium Agar**
Recommended for use in the cultivation and isolation of Mycoplasma species.  
15x60mm plate, 10/pk......................................G381

**Hayflick Medium Agar**
Recommended for use in the cultivation and isolation of Mycoplasma species.  
15x60mm plate, 10/pk......................................G385

**Mycoplasma Agar**
For the cultivation of Mycoplasma and the detection of Mycoplasma contamination in biologics and biological processes.  
15x60mm plate, 10/pk......................................G362

**Mycoplasma Broth**
For the detection of *Mycoplasma* spp. associated with bovine mastitis.  
120ml boston round glass bottle, 100ml fill, 20/pk........................................U407

**PPLO Selective Agar**
For the selective isolation of Mycoplasmataceae (pleuropneumonia-like organisms), especially *Mycoplasma pneumoniae*.  
13x100mm tube, 4ml fill, 20/pk.....................R88

**SP4 Agar with Arginine**
For the selective cultivation and differentiation of Mycoplasma species based on the ability to utilize arginine.  
15x60mm plate, 10/pk......................................G32

**SP4 Agar with Glucose**
For the selective cultivation and differentiation of the mycoplasmas; including *Mycoplasma hominis*, *Mycoplasma pneumoniae*, and *Ureaplasma urealyticum*.  
15x60mm plate, 10/pk......................................G21

**SP4 Agar with Urea**
For the selective cultivation and differentiation of the mycoplasmas; including *Mycoplasma hominis*, *Mycoplasma pneumoniae*, and *Ureaplasma urealyticum*.  
13x100mm tube, 2ml fill, 10/pk......................R87

500ml Polycarbonate Bottle, 500ml fill,  
Each..................................................U513
### Protective Gear

**ComfortPRO™ Disposable Lab Coats**
These affordable, disposable lab coats are made of tri-laminated material.
- Coats are fully breathable and splash resistant
- Our lab coats feature snap front buttons, knit cuffs, and knit collars for added comfort
- Three pockets are also featured, one on the chest and one at each hip
- Color Option: white or blue. Available in five sizes

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**N95 Particulate Respirator Mask**
The N95 meets WHO and CDC recommended protection levels. The NIOSH-defined bacterial filtration efficiency delivers the safe protection needed against airborne pathogens and contamination. One size fits all.

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**Face Shield**
A lightweight and comfortable face shield that is optically clear, has anti-fog properties, fits over glasses, has a foam headband, and is disposable/reusable. Short Shield for face, 24 per box ........................ 4511

**PRECISION® Powder Free Nitrile Gloves**
Best all-around glove! Soft feel, powder-free, micro-textured, violet-blue.

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<tr>
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**FREE SAMPLES AVAILABLE**

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800.266.2222  Sales@HardyDiagnostics.com  HardyDiagnostics.com