



Pharmaceutical Microbiology

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Pharmaceutical Microbiology

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Environmental Monitoring

LOK TIGHT™

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..... 89408-026

Sabouraud Dextrose Agar

For the cultivation and enumeration of fungi.
10/pk.....89407-878

Malt Extract Agar with Lecithin and Tween

For the cultivation and enumeration of fungi.
10/pk..... 89407-708

IRRADIATED CONTACT PLATES

Tryptic Soy Agar with Lecithin and Tween® 80, USP

For the cultivation and enumeration of microorganisms. Irradiated, triple bagged,
10/pk.....76200-280
Red tinted plate, triple bagged,
10/pk.....76200-282

Sabouraud Dextrose Agar with Lecithin and Tween® 80, USP

For the cultivation and enumeration of fungi. Irradiated, triple bagged,
10/pk.....76200-284

FINGERTIP SAMPLING



1. Twist and remove lid.

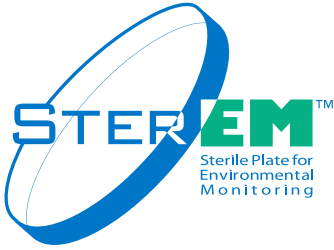


2. Gently press glove tips to plate surface.



Twist lid clockwise until frosted bands line up and lid locks into place.

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**

Tryptic Soy Agar, Irradiated, Triple Bagged

For the cultivation and enumeration of microorganisms.
15x100mm plate, 34ml deep fill, 10/pk..... 76200-294
15x100mm **Red tinted plate**, 34ml deep fill, 10/pk..... 76200-296

Tryptic Soy Agar with Lecithin and Tween® 80, USP, Irradiated, Double Bagged

For the cultivation and enumeration of microorganisms.
15x100mm plate, 26ml fill, 10/pk..... 76200-292

Sabouraud Dextrose Agar with Lecithin and Tween® 80, Irradiated, Triple Bagged

For the detection and enumeration of fungi.
15x100mm plate, 26ml fill, 10/pk..... 76200-290

*Easily distinguished
between TSA and
SabDex!*



*Perfect for use with
the TRIO.BAS™
Air Sampler*



TRIO.BAS™
BIOLOGICAL AIR SAMPLER

Air Samplers

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.

Tryptic Soy Broth Media Bags

Ideal for verifying aseptic technique



- Two ports: needle-port and spike-port
- Terminally autoclaved for high sterility assurance
- Quality tested to USP <71> Standards
- Tryptic Soy Broth (TSB) is manufactured in an ISO 13485 Facility
- Growth promotion testing performed on each lot of media
- Hang Notch on the top of the Media Bag™ allows the technician to hang the bag
- Media Bag Cat. no. 75814-002 are packaged in double 2ml zippered bags



Tryptic Soy Broth (TSB), USP

For sterility testing and cultivation of microorganisms. Also known as Soybean-Casein Digest Broth.

Media Bag, 700ml fill, 5/pk 75846-314

Media Bag, 100ml fill, 10/bx 75814-002



Environmental Testing Swabs



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 89407-764
5ml, 20/box 89407-766

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 89407-912
2ml, 20/box 89407-914
5ml, 20/box 89407-916

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.

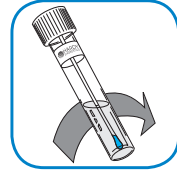
5ml, 20/box 89407-470

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 89407-512



1. Collect sample



2. Safely transport to the lab



3. Cultivate specimen



Top Seller!

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 89405-022



Sterility Testing Culture Media per USP <71>

Tryptic Soy Broth

100ml fill, 100ml bottle with
needle-port septum,
20/pk.....89408-048



Fluid D

100ml fill, 100ml bottle with
needle-port septum,
20/pk.....89407-538



Fluid A

100ml fill, 100ml bottle with
needle-port septum,
20/pk.....89407-520



READYRACK™

A convenient way to bring media into a controlled area.

80 tube ReadyRack™

Convenient hand-holds



A
Remove ReadyRack™ from box outside of cleanroom.



B
Take into cleanroom, then remove plastic bag.



C
Spray down entire ReadyRack™ with isopropyl alcohol.

Packaged in a controlled environment to reduce particulates



Tryptic Soy Broth (TSB), USP

16x125mm tube, 10ml fill, 80/pk..... 10436-342

Fluid Thioglycollate Medium (FTM), USP

16x125mm tube, 10ml fill, 80/pk..... 10436-340

ReadyRack™ Empty Tube Rack

Holds 80, 16x125mm or 16x100mm tubes
25 racks per case..... 10159-872

Bottle Media with Septum

- A** 20ml glass bottle with crimp cap and flip seal
- B** 100ml glass bottle with crimp cap and flip seal
- C** 125ml polycarbonate bottle with screw cap
- D** 200ml glass bottle with crimp cap and flip seal
- E** 16x125mm tube with hungate screw cap
- F** 600ml glass bottle with screw cap
- G** 500ml polycarbonate bottle (round) with screw cap
- H** 500ml polycarbonate bottle (square) with screw cap



Fluid A, USP

A rinsing and diluting fluid.

B 100ml glass bottle, 100ml fill, 20/pk.....	89407-520
D 200ml glass bottle, 200ml fill, 10/pk.....	89407-529
G 500ml polycarbonate bottle, 300ml fill, 10/pk.....	89407-530
F 600ml glass bottle, 300ml fill, 10/pk.....	89498-954
F 600ml glass bottle, 600ml fill, 10/pk.....	89407-532

Fluid D, USP

A rinsing and diluting fluid.

B 100ml glass bottle, 100ml fill, 20/pk.....	89407-538
H 500ml square polycarbonate bottle, 300ml fill, 10/pk.....	89407-542
F 600ml glass bottle, 300ml fill, 10/pk.....	89498-956

Fluid K, USP

A rinsing and diluting fluid.

F 600ml glass bottle, 300ml fill, 10/pk.....	89495-512
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Fluid Thioglycollate Broth with Indicator, USP

For the cultivation of microorganisms and USP sterility procedures.

E 16x125mm glass tube, 10ml fill, 20/pk.....	89497-614
A 20ml glass bottle, 15ml fill, 50/pk.....	89407-582
A 20ml glass bottle, 20ml fill 50/pk.....	89407-584
B 100ml glass bottle, 100ml fill, 20/pk.....	10158-356
D 200ml glass bottle, 150ml fill, 10/pk.....	89407-581
F 600ml glass bottle, 300ml fill, 10/pk.....	10052-550
F 600ml glass bottle, 500ml fill, 10/pk.....	10066-104

Reinforced Clostridial Medium, USP

For the cultivation of *Clostridium* spp. and other anaerobic and facultative bacteria.

C 125ml polycarbonate bottle, 100ml fill, 20/pk.....	76210-514
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Sabouraud Dextrose Broth, USP

For the cultivation of fungi.

C 125ml polycarbonate bottle, 100ml fill, 16/pk.....	89407-882
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Saline, 0.85% with 0.05% Tween® 80

For preparing dilutions and suspensions of microorganisms.

B 100ml glass bottle, 100ml fill, 20/pk.....	89407-918
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Tryptic Soy Broth, USP

For the cultivation of microorganisms.

G 16x125mm glass tube, 10ml fill, 20/pk.....	89408-052
A 20ml glass bottle, 10ml fill, 50/pk.....	89408-056
A 20ml glass bottle, 15ml fill, 50/pk.....	89408-060
A 20ml glass bottle, 20ml fill, 50/pk.....	89408-068
B 100ml glass bottle, 50ml fill, 20/pk.....	89408-092
B 100ml glass bottle, 100ml fill, 20/pk.....	89408-048
C 125ml polycarbonate bottle, 100ml fill, 16/pk.....	89407-994
F 600ml glass bottle, 300ml fill, 10/pk.....	10124-504
F 600ml glass bottle, 400ml fill, 12/pk.....	10124-504
F 600ml glass bottle, 500ml fill, 10/pk.....	89408-089

Tryptic Soy Broth with 10% Glycerol

For the preservation of microorganisms by freezing.

B 100ml glass bottle, 100ml fill, 20/pk.....	89408-124
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Tryptic Soy Broth with Lecithin and Tween® 80

For the cultivation of microorganisms.

A 20ml glass bottle, 10ml fill, 50/pk.....	10124-506
D 200ml glass bottle, 150ml fill, 10/pk.....	10124-508
F 600ml glass bottle, 300ml fill, 10/pk.....	10053-676



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.....89405-024

Cetrimide Selective Agar, USP

For the selective isolation of *Pseudomonas aeruginosa*.

15x100mm plate, 18ml fill, 10/pk..... 89407-198

Columbia Agar, USP

For the isolation and cultivation of non-fastidious and fastidious microorganisms.

15x100mm plate, 18ml fill, 10/pk..... 89407-240

Deionized Water

For the preparation of dilutions and suspensions. 16x125mm glass tube, 9ml fill, 20/pk.....89407-486

Dichloran Rose Bengal

Chloramphenicol (DRBC) Agar

For use in the cultivation of yeast and mold. 15x100mm plate, 26ml fill, 10/pk..... 89407-492

EE Broth Mossel, USP

For the selective enrichment of *Enterobacteriaceae*. 16x125mm tube, 9ml fill, 20/pk 89407-508

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 89407-974

20x125mm tube, 10ml fill, 20/pk 10127-492

Fluid Thioglycollate with Hemin and Vitamin K

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms. 16x125mm tube, 10ml fill, 20/pk 89407-574

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..... 89407-268

15x100mm plate, 100/bx..... 89407-270

MacConkey Broth

For the isolation and differentiation of gram-negative bacteria. 16x125mm tube, 10ml fill, 20/pk 89497-612

MacConkey Broth with Durham Tube

For the detection of gram-negative, lactose fermenting bacilli. 16x100mm tube, 5ml fill, 20/pk 89426-250

mHPC Agar (Heterotrophic Plate Count)

Total bacteria counts in water and environmental samples. 20x125mm tube, 18ml deep, 20/pk..... 89497-626

Malt Extract Agar

For the cultivation and enumeration of yeasts and molds. 15x100mm plate, 26ml deep, 10/pk 89407-712

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..... 89407-278

Mycoplasma Agar

For the cultivation of Mycoplasma and the detection of Mycoplasma contamination in biologics and biological processes. 15x60mm plate, 10/pk..... 76300-102

Nutrient Agar

For the isolation and cultivation of nonfastidious microorganisms. 15x100mm plate, deep fill, 10/pk..... 89407-782

20x150mm tube, 20ml deep, 100/bx... 89407-778

Potato Dextrose Agar, USP

For the cultivation of yeast and mold. 15x100mm plate, 26ml deep fill, 10/pk..... 89407-826

15x150mm plate, 68ml fill, 10/pk 89407-830

20x125mm pour tube, 18ml deep, 20/pk..... 89407-834

Pseudomonas Agar F

For the identification of *Pseudomonas aeruginosa* and the detection of fluorescein. 15x100mm plate, 18ml fill, 10/pk..... 89407-216

Pseudomonas Agar P

For the identification of *Pseudomonas aeruginosa* and the detection of pyocyanin. 15x100mm plate, 18ml fill, 10/pk..... 89407-220

Rappaport-Vassiliadis Broth, USP

For the selective enrichment of *Salmonella* spp. 16x125mm tube, 10ml fill, 20/pk 89407-854

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..... 89497-622

See page 4 for Irradiated Plates

Sabouraud Dextrose (Sabdex) Agar

For the cultivation of yeast and mold.

15x100mm plate, USP, 26ml deep fill, 10/pk.....	89407-894
15x150mm plate, USP, 70ml fill, 10/pk.....	89407-880
25x100mm plate, 60ml deep fill, 5/pk.....	89407-876
20x150mm tube, USP, 18ml deep fill, 100/bx.....	10158-952
20x150mm tube, USP, 20ml deep fill, 100/bx.....	89407-870

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.....	89429-348
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Sabouraud Dextrose (Sabdex) Agar with Chloramphenicol

For the cultivation of fungi.

16x125mm tube, 18ml fill, 20/pk.....	89497-624
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Sabouraud Dextrose (Sabdex) Broth

For the cultivation of fungi.

16x125mm tube, 10ml fill, 10/pk.....	89407-884
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Sabouraud Dextrose (Sabdex) Agar with Lecithin and Tween® 80

For the cultivation of yeast and mold.

15x100mm plate, 26ml fill, 10/pk.....	89407-898
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Tryptic Soy Agar (TSA), USP

For the cultivation of microorganisms. Also known as Soybean-Casein Digest Agar.

15x100mm plate, 10/pk.....	89407-330
15x100mm plate, 100/bx.....	89407-334
15x100mm plate, 26ml fill, 10/pk.....	89408-004
15x150mm plate, 69ml fill, 10/pk.....	89408-020
20x125mm tube, 18ml deep, 20/pk.....	89408-016
20x150mm tube, 1.5x, 20ml deep, 100/bx.....	89407-998

Tryptic Soy Agar with Lecithin and Tween® 80

For the cultivation and enumeration of microorganisms.

20x125mm tube, deep, 18ml fill, 20/pk.....	89408-036
15x100mm plate, 27ml fill, USP, 10/pk.....	89407-290

Tryptic Soy Agar / Cetrinide Agar/ Mannitol Salt Agar, Triplate

- TSA, for the cultivation of microorganisms.
- Cetrinide, 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.....	89497-606
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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.....	89408-100
16x125mm tube, 10ml fill, 100/bx.....	89408-052
20x125mm tube, 15ml fill, 20/pk.....	10127-496
20x150mm tube, 20ml fill, 100/bx.....	10119-756

Violet Red Bile with Glucose Agar

For the detection of coliforms.

15x100mm biplate, 10/pk.....	89497-602
15x100mm plate, USP, 10/pk.....	89407-194

Xylose Lysine Deoxycholate (XLD) Agar

For the selective isolation of pathogenic, gram-negative enteric bacteria.

15x100mm plate, USP, 10/pk.....	89407-340
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MacConkey Agar, USP
Cat. no. G35

Bottle and Jar Media

- 1 500ml heavy duty glass bottle
- 2 473ml (16 oz) boston round glass bottle
- 3 250ml (8 oz) boston round glass bottle
- 4 120ml (4 oz) boston round glass bottle
- 5 60ml boston round glass bottle
- 6 200ml wide mouth glass jar

- 7 130ml polypropylene bottle
- 8 60ml polypropylene bottle
- 9 180ml polycarbonate wide mouth jar
- 10 125ml polycarbonate bottle
- 11 500ml polycarbonate bottle
- 12 1L polycarbonate bottle



Antibiotic Media, USP

For use in the determination of antimicrobial activity per USP <81>.

- 11 #32, 500ml polycarbonate bottle, 400ml fill, 10/pk..... 89501-554
- 11 #35, 500ml polycarbonate bottle, 400ml fill, 10/pk..... 10693-180
- 11 #34, 500ml polycarbonate bottle, 400ml fill, 10/pk..... 10693-178
- 11 #9, 500ml polycarbonate bottle, 400ml fill, 10/pk..... 10693-112
- 2 #10, 473ml boston round glass bottle, 12/pk..... 75792-036

Buffer No. 3, USP

For use in antibiotic potency assays.

- 11 500ml polycarbonate bottle, 500ml fill, 10/pk..... 89498-952

Buffer, USP <81>

For use in antibiotic potency assays.

- 11 #4, 500ml polycarbonate bottle, 500ml fill, 10/pk..... 89407-432
- 11 #16, 500ml polycarbonate bottle, 10/pk..... 10693-110

Buffered Sodium Chloride Peptone, USP

For use as a rinse fluid for membrane filtration methods.

- 11 500ml polycarbonate bottle, 500ml fill, 10/pk..... 89407-428

Buffered Sodium Chloride Peptone Solution (pH 7.0), USP

For the preparation of isotonic suspensions and dilutions of microorganisms.

- 9 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..... 10135-880

EE Broth Mossel, USP

For the selective enrichment of *Enterobacteriaceae*.

- 9 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..... 10135-884
- 9 150ml wide mouth polycarbonate jar, 100ml, 12/pk..... 10135-896

Fluid A, USP

For use as a diluting and rinsing fluid.

- 4 120ml boston round glass bottle, 100ml fill, 20/pk..... 89407-522
- 7 130ml polypropylene bottle, 100ml fill, 12/pk..... 89407-518
- 3 250ml boston round glass bottle, 200ml fill, 12/pk..... 10124-490
- 9 180ml polycarbonate wide mouth jar, 90ml fill, 12/pk..... 10135-872
- 12 1L polycarbonate bottle, 1L fill, 10/pk..... 89407-526

Fluid D, USP

A rinsing and diluting fluid.

- 4 120ml boston round glass bottle, 100ml fill, 20/pk..... 10124-492
- 8 180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..... 10135-868
- 11 500ml polycarbonate bottle, 500ml fill, 10/pk..... 89407-544
- 12 1L polycarbonate bottle, 1L fill, 10/pk..... 52428-862

Fluid K, USP

A rinsing and diluting fluid.

- 12 1L polycarbonate bottle, 1L fill, 10/pk..... 89407-548



Fluid Thioglycollate Broth with Indicator

For the cultivation of microorganisms and sterility procedures. Contains resazurin oxygen indicator.

- ④ 120ml boston round glass bottle, USP, 20/pk..... 89423-724
- ③ 250ml boston round glass bottle, 200ml fill, 12/pk 10124-494
- ⑥ 200ml wide mouth glass jar, USP, 100ml fill, 12/pk 89407-552

Lactose Broth with Lecithin and Tween®

Used to detect coliforms in pharmaceuticals. Also used to pre-enrich samples for the recovery of *Salmonella* spp.

- ⑥ Tween® 80, 200ml wide mouth glass jar, 90ml fill, 12/pk..... 89407-656

MacConkey Broth, USP

For the detection of gram-negative, lactose fermenting bacilli.

- ⑨ 180ml polycarbonate wide mouth jar, 100ml fill, 12/pk..... 10135-862

Peptone Water, 0.1%

For use in preservative testing.

- ④ 120ml boston round glass bottle, 100ml fill, 20/pk..... 75860-372

Phosphate Buffer, pH 7.2

For sample preparation.

- ⑩ 500ml polycarbonate bottle, 500ml fill, 10/pk..... 10124-486

Phosphate Buffer with Magnesium Chloride

For the preparation of dilutions.

- ⑩ 1L polycarbonate bottle, 1L fill, 10/pk..... 10145-992
- ⑩ 500ml polycarbonate bottle, 500ml fill, 10/pk..... 89407-808

Potato Dextrose Agar, USP

For the cultivation of yeast and mold.

- ③ 250ml boston round glass bottle, 200ml fill, 12/pk 89407-838

Sabouraud Dextrose Agar

For the cultivation of yeast and mold.

- ⑩ 500ml polycarbonate bottle, USP, 200ml fill, 10/pk..... 89407-866
- ② 473ml boston round glass bottle, USP, 200ml fill, 12/pk 89407-868
- ② 473ml boston round glass bottle, 400ml fill, 12/pk 89407-872
- ⑩ 500ml polycarbonate bottle, USP, 400ml fill, SabDex, Emmons, 10/pk..... 89407-892
- ⑩ 500ml polycarbonate bottle, USP, 500ml fill, 10/pk..... 89407-874

Sabouraud Dextrose Agar with Lecithin and Tween® 80

For the cultivation of fungi and the neutralization of disinfectants.

- ⑩ 500ml polycarbonate bottle, 400ml fill, 10/pk..... 89407-900
- ② 473ml boston round glass bottle, 400ml fill, 12/pk 89407-902

Saline 0.9%

For use as a sterility testing filter rinse.

- ⑩ 500ml polycarbonate bottle, 10/pk..... 75860-368

Thioglycollate with H and K (Hemin and Vitamin K), USP

For the cultivation of anaerobic bacteria.

- ④ 120ml boston round glass bottle, 100ml fill, 20/pk..... 89407-972

Tryptone-Azolectin-Tween® (TAT) Broth

For use in the cultivation of microorganisms from highly viscous or gelatinous materials.

- ④ 120ml boston round glass bottle, 90ml fill, 20/pk..... 89407-956



- ⑧ 180ml polycarbonate wide mouth jar, 9
9ml fill, 12/pk..... 10135-906
- ⑫ 1L polycarbonate bottle, 490ml fill,
10/pk..... 89407-952
- ⑫ 1L polycarbonate bottle, 1L fill,
10/pk..... 89407-950

Tryptic Soy Agar, 1.5X Strength

For use as a general growth medium for the isolation and cultivation of microorganisms.

- ③ 250ml boston round glass bottle, 150ml fill,
20/pk..... 89408-030

Tryptic Soy Agar, USP

For use as a general growth medium for the isolation and cultivation of microorganisms.

- ③ 250ml boston round glass bottle, 150ml fill,
20/pk..... 89408-000
- ③ 250ml boston round glass bottle, 200ml fill,
12/pk..... 89408-002
- ② 473ml boston round glass bottle, 400ml fill,
12/pk..... 89408-006
- ① 500ml heavy duty glass bottle, 500ml fill,
each..... 89408-010
- ⑪ 500ml polycarbonate bottle, 500ml fill,
10/pk..... 89408-008
- ⑫ 1L polycarbonate bottle, 700ml fill,
10/pk..... 89408-014
- ⑫ 1L polycarbonate bottle, 1L fill,
10/pk..... 75994-474

Tryptic Soy Agar with Lecithin and Tween® 80

For the cultivation and enumeration of microorganisms.

- ⑪ 500ml polycarbonate bottle, 400ml fill,
10/pk..... 89408-032
- ② 473ml boston round glass bottle, 400ml fill,
12/pk..... 89408-024

Tryptic Soy Broth, USP

For sterility testing and the cultivation of microorganisms.

- ⑤ 60ml boston round glass bottle, 50ml fill,
24/pk..... 89408-094
- ④ 120ml boston round glass bottle, 100ml fill,
20/pk..... 89408-046
- ⑨ 180ml polycarbonate wide mouth jar,
25ml fill, 12/pk..... 10135-876
- ⑨ 180ml polycarbonate wide mouth jar,
100ml fill, 12/pk..... 89408-044
- ⑨ 180ml polycarbonate wide mouth jar,
90ml fill, 12/pk..... 89407-996
- ③ 250ml boston round glass bottle, 160ml fill,
12/pk..... 89407-990
- ③ 250ml boston round glass bottle, 200ml fill,
12/pk..... 10124-512
- ② 473ml boston round glass bottle, 400ml fill,
12/pk..... 89408-084

- ① 500ml heavy duty glass bottle, 500ml fill,
Each..... 89408-086

- ⑫ 1L polycarbonate bottle, 1L fill,
10/pk..... 89407-988

Tryptic Soy Broth with Lecithin and Tween® 20

For the cultivation of microorganisms.

- ⑧ 180ml polycarbonate wide mouth jar,
90ml fill, USP, 12/pk..... 10135-878

- ⑧ 180ml polycarbonate wide mouth jar,
100ml fill, 12/pk..... 10135-882

Tryptic Soy Broth, Double Strength, USP

For the cultivation of microorganisms.

- ④ 120ml boston round glass bottle, 25ml fill,
12/pk..... 89408-110

- ⑧ 180ml polycarbonate wide mouth jar,
50ml fill, 12/pk..... 10135-874

- ③ 250ml boston round glass bottle, 100ml fill,
12/pk..... 10159-874

- ⑪ 500ml polycarbonate bottle, 150ml fill,
10/pk..... 89408-078

Tryptic Soy Broth with Lecithin and Tween® 80

For the cultivation of microorganisms.

- ⑥ 180ml wide mouth glass jar,
90ml fill, 12/pk..... 76045-460

- ⑪ 500ml polypropylene bottle, 500ml fill,
10/pk..... 89408-126



CRITERION™

DEHYDRATED CULTURE MEDIA

- Wide mouth opening reduces dust formation by allowing the use of a scoop
- Convenient hand grip 'no slip' finger holds
- Stackable containers for efficient storage
- Increased solubility dissolves quickly
- Unparalleled performance tested for optimal growth



Test for Bile-Tolerant Gram Negative Bacteria

EE Broth, Mossel

For the selective enrichment and detection of *Enterobacteriaceae*.

Mylar® zip-bag, makes 2L, each.....	89406-760
500gm wide-mouth bottle, each.....	89406-762
2kg bucket, each.....	89406-764
10kg bucket, each.....	89406-766

Violet Red Bile Glucose Agar (VRBGA)

For the detection and enumeration of *Enterobacteriaceae*.

Mylar® zip-bag, makes 2L, each.....	89406-242
500gm wide-mouth bottle, each.....	89406-244
2kg bucket, each.....	89406-246
10kg bucket, each.....	89406-248

Test for *Pseudomonas aeruginosa*

Cetrimide Selective Agar

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

Mylar® zip-bag, makes 2L, each.....	89405-274
500gm wide-mouth bottle, each.....	89405-276
2kg bucket, each.....	89405-278
10kg bucket, each.....	89405-280

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.....	89405-636
500gm wide-mouth bottle, each.....	89405-638
2kg bucket, each.....	89405-640
10kg bucket, each.....	89405-642

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.....	89405-628
500gm wide-mouth bottle, each.....	89405-630
2kg bucket, each.....	89405-632
10kg bucket, each.....	89405-634

Test for *Salmonella*

Rappaport Vassiliadis Salmonella Enrichment Broth

For the detection and isolation of motile *Salmonella* spp.

Mylar® zip-bag, makes 2L, each.....	89406-796
500gm wide-mouth bottle, each.....	89406-798
2kg bucket, each.....	89406-800
10kg bucket, each.....	89406-802

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..... 89405-958
500gm wide-mouth bottle, each 89405-960
2kg bucket, each 89405-962
10kg bucket, each..... 89405-964

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..... 89406-274
500gm wide-mouth bottle, each 89406-276
2kg bucket, each 89406-278
10kg bucket, each..... 89406-280

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..... 89405-676
500gm wide-mouth bottle, each 89405-678
2kg bucket, each 89405-680
10kg bucket, each 89405-682

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..... 89406-768
500gm wide-mouth bottle, each 89406-770
2kg bucket, each 89406-772
10kg bucket, each..... 89406-774

Columbia Agar

For cultivating fastidious and non-fastidious microorganisms with or without the addition of blood.
Mylar® zip-bag, makes 2L, each..... 89405-298
500gm wide-mouth bottle, each 89405-300
2kg bucket, each 89405-302
10kg bucket, each..... 89405-304

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..... 89405-998
500gm wide-mouth bottle, each 89406-000
2kg bucket, each 89406-002

Sabouraud Dextrose (SabDex) Broth

For the cultivation and maintenance of nonpathogenic and pathogenic fungi.
Mylar® zip-bag, makes 2L, each..... 89406-396
500gm wide-mouth bottle, each 89406-398
2kg bucket, each 89406-400
10kg bucket, each 89406-402

Potato Dextrose Agar

For the cultivation and identification of fungi.
Mylar® zip-bag, makes 2L, each..... 89405-898
500gm wide-mouth bottle, each 10033-086
2kg bucket, each 89405-900
10kg bucket, each..... 89405-902

Microbial Enumeration Tests

Tryptic Soy Agar (TSA)

For use as a general growth medium for the isolation and cultivation of microorganisms.
Mylar® zip-bag, makes 2L, each..... 89406-158
500gm wide-mouth bottle, each 89406-160
2kg bucket, each 89406-162
10kg bucket, each..... 89406-164

Tryptic Soy Broth (TSB)

For use as a general growth medium for the isolation and cultivation of microorganisms.
Mylar® zip-bag, makes 2L, each..... 89406-176
500gm wide-mouth bottle, each 89406-178
2kg bucket, each 89406-180
10kg bucket, each..... 89406-182

Buffers and Solutions

Phosphate Buffer, pH 7.2

Used as a buffering agent in the preparation of culture media.
500gm wide-mouth bottle, each 89406-750

Fluid Thioglycollate Media

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms.
Mylar® zip-bag, makes 2L, each..... 89406-356
500gm wide-mouth bottle, each 89406-358
2kg bucket, each 89406-360
10kg bucket, each..... 89406-362



Automated Gram Staining

QUICKSLIDE™ GRAMPRO 1

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.



VWR Cat. no. 75779-640

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....10063-746

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 liter gas jar. Each sachet generates enough gas for a 2.5 liter jar.



AnaeroGen™ 2.5 liter Sachets,
10 sachets/bx.....10158-948



NOTES

NOTES



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