

# Cosmetics & Personal Care Microbiology



 **avantor**<sup>™</sup>  
delivered by **VWR**<sup>™</sup>

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# Cosmetics and Personal Care Microbiology

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# Environmental Monitoring

# LOK<sup>TM</sup> TIGHT

## Contact Plates for Surface Sampling



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. Incubate at 30 °C - 35 °C. After 48 - 72 hours, count the number of colonies. Record your results.



4. Friction Lid design keeps lid in place. Locking feature assures lids stay secured.

## Improved design with friction-fit lid and locking mechanism

### Non-Irradiated Contact Plates

#### 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 of fungi.  
10/pk..... 89407-878

#### Malt Extract Agar with Lecithin and Tween®

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

# Environmental Sampling Swabs



## EnviroTrans™ Swab Kit (Pre-moistened) A ready-to-use swab and tube pre-filled with 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. The entire unit is terminally sterilized. Excellent for detection or enumeration of microorganisms from environmental surfaces or equipment.

## EnviroTrans™ Neutralizing Buffer

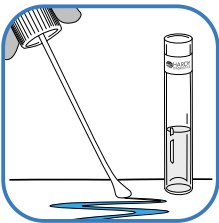
For the detection of microorganisms found on surfaces. Neutralizes chlorine, iodine and quaternary ammonium compounds. Contains no growth factors. Recommended for enumeration methods.

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

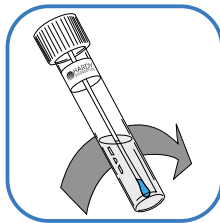
## EnviroTrans™ Lethen Broth

For the detection of microorganisms found on surfaces. Neutralizes phenols, formalin, and ethanol. Contains some growth factors.

5ml, 20/box ..... 89407-672



1. Collect sample



2. Safely transport to the lab



3. Cultivate specimen



# ATP Monitoring



## EnSURE™ Touch

### Handheld Luminometer for ATP hygiene monitoring

EnSURE™ Touch is an advanced monitoring system that collects, analyzes and reports data from a variety of long-trusted quality tests, providing rapid and accurate sanitation verification data. Featuring a 5-inch touch screen, wireless sync technology, and cloud-based software, the EnSURE Touch is designed to adapt to your workplace, providing the data you need for complex multi-location supply chain monitoring, audit and risk management, and recall prevention.

Each ..... 76422-850

#### Run multiple tests on one system in just a few taps

EnSURE™ Touch users can use the system for ATP hygiene monitoring or have an expanded program that incorporates rapid microorganism tests for environmental monitoring and finished product testing.

#### Minimal size, maximum durability

Don't let the petite shape fool you - EnSURE Touch makes no compromises when it comes to durability. The rugged outer shell and shatter-proof touchscreen keep EnSURE Touch safe in the harshest environments. For extra protection, every system comes with a complimentary carrying case with a shoulder strap for hands-free transportation to test locations in your facility.

## ATP Tests by Hygiena

Product	Specifications	Quantity	Cat. no.
UltraSnap™	ATP surface test, 100/bx	100/bx	10142-318
SuperSnap™	High sensitivity ATP surface test	100/bx	89492-624
AquaSnap™ Free	ATP water test	100/bx	10222-314
AllerSnap™	High sensitivity allergen prevention surface test	100/bx	10062-760



**TRIO.BAS™**  
BIOLOGICAL AIR SAMPLER

# Air Sampling

## MINI

### Each kit includes:

TRIO.BAS™ MINI BLUETOOTH air sampler, battery charger and cable, aspirating head, cover head, LIGHT carrying case, and calibration certificate.

***Ideal for use in less critical environments***



### Features:

- Aspirating head with quick bayonet closure system for easy manipulation
- Light weight: Significantly lighter than industry counterparts
- Rechargeable via external port using standard wall charger
- Note: Sampling data must be manually recorded with the MINI

MINI Kit, 100 liters/min., contact plate.....	76076-694
MINI Kit, 100 liters/min., mono plate.....	76169-638
MINI Kit, 200 liters/min., contact plate.....	76076-696
MINI Kit, 200 liters/min., mono plate.....	76169-640



## MINI CompactDry™

Especially designed for CompactDry™ media

### Each kit includes:

TRIO.BAS MINI air sampler, charging cable, stainless steel aspirating head, protective cover head, and carrying case.

MINI Kit, 100 liters/min.....	76308-448
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*(CompactDry™ plates sold separately).*



**TRIO.BAS™**  
BIOLOGICAL AIR SAMPLER

# MONO

## Each kit includes:

TRIO.BAS™ MONO air sampler, induction battery charger and cable, aspirating head, cover head, ROBUSTUS carrying case, calibration certificate, and I.Q., O.Q., P.Q. fillable documents.



## Data transfer to PC capability



## Features:

- Delayed interval sampling and remote start capabilities
- Data transfer capability via Bluetooth requires purchase of BAS296 software
- Aspirating head with quick bayonet closure system for easy manipulation
- Light weight: lighter than industry counterparts
- Charges via induction base charger. No plugs or external connections

MONO Kit, 100 liters/min., contact plate.....	76076-704
MONO Kit, 100 liters/min., mono plate.....	76169-642
MONO Kit, 200 liters/min., contact plate.....	76076-706
MONO Kit, 200 liters/min., mono plate.....	76169-644



# TRIO.BAS™ DUO

BIOLOGICAL AIR SAMPLER

**BEST  
SELLER**



### Each kit includes:

TRIO.BAS™ DUO air sampler, induction battery charger and cable, aspirating heads, cover heads, ROBUSTUS carrying case, calibration certificate, and I.Q., O.Q., P.Q. fillable documents.



### Features:

- Two aspirating heads for sampling on separate plates to determine bacterial and yeast/mold counts
- Programmable for simultaneous or interval aspirating times
- Delayed interval sampling and remote start capabilities
- Data transfer capability via Bluetooth requires purchase of BAS296 software
- Aspirating head with quick bayonet closure system for easy manipulation
- Charges via induction base charger. No plugs or external connections

DUO Kit, 100 liters/min., contact plate.....	<a href="#">76076-708</a>
DUO Kit, 100 liters/min., mono plate.....	<a href="#">76169-646</a>
DUO Kit, 200 liters/min., contact plate.....	<a href="#">76076-710</a>
DUO Kit, 200 liters/min., mono plate.....	<a href="#">76169-648</a>



# Air Sampling Media

## Petri Plates

### Irradiated Plates

#### Sabouraud Dextrose (SabDex) Agar SterEM™, USP

For the cultivation of fungi.  
Irradiated, 15x100mm plate, deep fill, triple bagged, 10/pk..... 76200-288

#### Tryptic Soy Agar (TSA), SterEM™, USP

General growth medium for the detection and enumeration of microorganisms.  
Irradiated, 15x100mm plate, deep fill, triple bagged, 10/pk..... 76200-294

### Non-Irradiated Plates

#### Malt Extract Agar (MEA)

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

#### Sabouraud Dextrose (SabDex) Agar

For the cultivation of fungi. 15x100mm plate, deep fill, 10/pk.....89407-894

#### Tryptic Soy Agar (TSA), USP

General growth medium for the detection and enumeration of microorganisms.  
15x100mm plate, deep fill, 10/pk.....89408-004

## Contact Plates

### Irradiated Plates

#### Sabouraud Dextrose (SabDex) with Lecithin and Tween® 80, USP

For the cultivation of fungi. Contact plate with LokTight™ lid. Irradiated, triple bagged, 15x60mm, 10/pk..... 76200-284

#### Tryptic Soy Agar (TSA) with Lecithin and Tween® 80, USP

For the cultivation and enumeration of microorganisms. Contact plate with LokTight™ lid. Irradiated, triple bagged, 15x60mm, 10/pk..... 76200-280

### Non-Irradiated Plates

#### Malt Extract Agar (MEA)

With Lecithin and Tween®, contact plate with LokTight™ friction lid 10/pk..... 89407-708

#### Sabouraud Dextrose (SabDex) Agar

Contact plate with LokTight™ friction lid, for surface testing, 10/pk..... 89407-878

#### Tryptic Soy Agar (TSA) with Lecithin and Tween® 80, USP

With Lecithin and Tween® 80, USP, contact plate with LokTight™ friction lid, 10/pk..... 89408-026



# Serial Dilutions

## Diligent Shaker for use with Dilucup® Elegance!

### by LabRobot

The Diligent Shaker uses orbital rotation to make sure each dilution is thoroughly vortexed. It is activated by either an hands-free optical sensor or the optional foot pedal. The 42 LED indicators light each cup, letting you easily see what dilution well you are in.



### Features:

- Dimensions: 38cm x 29.5cm x 5cm
- 7" touch screen
- Two optical sensors, one at each side
- Can create and store testing templates, assuring standardization of method
- Programming with intuitive software
- 6 rows for 42 cups (7 x 6)
- Removable magnetic tray for 42 cups
- Export data to USB
- Bar code reading (*Diligent and Diligent Pro only*)
- Able to record sample ID and user ID (*Diligent and Diligent Pro only*)
- Full connectivity to LIMS (*Diligent Pro only*)

### Diligent Shaker Light

Store up to 2 templates. Data retrieval is manual only.

76468-912

### Diligent Shaker Standard Version

Record sample ID, technical or user ID. Bar code scanner capability. Store up to 10 templates. Export data to USB.

76468-916

### Diligent Shaker Pro

LIMS connectivity and traceability for data. Record sample ID, technical or user ID. Bar code scanner capability. Store up to 10 templates.

76468-914



## Serial Diluents



### MRD (Maximum Recovery Diluent)

Max Recovery Diluent, dilution blank, 9ml fill, ready-to-use cups, 672 (2 x 16 x 21) total cups with 3 cups/row 75860-406

### NaCl (Saline Solution) 0.85%

NaCl with buffer, dilution blank, 9ml fill, ready-to-use cups, 672 (2 x 16 x 21) total cups with 3 cups/row 75860-412

# Pre-filled Dilution Vials



Pre-filled Dilution Vials

A wide 45mm opening accommodates large samples. A fliptop lid allows for easy one-handed opening.



### Butterfield's Phosphate Buffer

145ml polypropylene vial, flip-top lid.  
 25ml fill, 50 pk..... 10789-398  
 90ml fill, 50 pk..... 89407-110  
 99ml fill, 50 pk..... 89407-112

### Buffered Peptone Water, Irradiated

145ml polypropylene vial, flip-top lid.  
 99ml fill, 50 pk..... 10145-966

### Buffered Peptone Water with 1% Tween® 20, Irradiated

145ml polypropylene vial, flip-top lid.  
 90ml fill, 50 pk..... 89407-098

### Deionized Sterile Water

145ml polypropylene vial, flip-top lid.  
 90ml fill, 50 pk..... 89407-100  
 99ml fill, 50 pk..... 89407-102

### Peptone Water, 0.1%, Irradiated

145ml polypropylene vial, flip-top lid.  
 90ml fill, 50 pk..... 89407-106  
 99ml fill, 50 pk..... 89407-108

### Phosphate Buffer with MgCl2

145ml polypropylene vial, flip-top lid.  
 90ml fill, 50 pk..... 89407-114  
 99ml fill, 50 pk..... 89407-116

### TAT Broth, Irradiated

145ml polypropylene vial, flip-top lid.  
 90ml fill, 50 pk..... 10753-958

# Prepared Culture Media

## Sample Preparation and Water

### Miscible Products

#### D/E Neutralizing Broth

For neutralizing and evaluating the efficacy of antiseptics and disinfectants.

16x125mm glass tube, 20/pk.....	89407-472
180ml wide mouth PC jar, 90ml fill, 12/pk .....	10135-902
1L PC bottle, 750ml fill, 10/pk.....	89407-474

#### Phosphate Buffered Saline (PBS), pH 7.5

For quantitative culturing or as a rinsing agent in microbiological, immunological, histological and molecular testing procedures.

125ml polypropylene bottle, 100ml fill, 20/pk.....	89498-948
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#### Tween® 80

For microbial testing of personal care products.

236ml wide mouth glass jar, 1ml fill, 12/pk .....	89408-140
236ml wide mouth glass jar, 5ml fill, 12/pk .....	89408-144
236ml wide mouth glass jar, 10ml fill, 12/pk .....	89408-138
500ml polypropylene bottle, 500ml fill, Each .....	89408-142

## Total Plate Count or Aerobic Plate Count

### Lethen Agar

For the determination of bactericidal activity in quaternary ammonium compounds.  
15x100mm plate, 10/pk..... 10789-184

### Lethen Agar Modified, with Tween 80, 1.5%

For the cultivation and enumeration of microorganisms from cosmetics and personal care product samples.  
15x100mm plate, 28ml fill, 10/pk..... 89501-560

### Lethen Broth

For the evaluation of bactericidal activity of quaternary ammonium compounds.  
16x125mm glass tube, 9ml fill, 20/pk ... 89407-674  
16x125mm glass tube, 10ml fill, 20/pk.. 89407-666  
1L PC bottle, 1,000ml fill, 10/pk..... 75813-982

### Lethen Broth with Sodium

#### Thiosulfate 0.1%

For sample preparation and dilution in cosmetic and personal care product samples. For use in evaluating the bactericidal activity of quaternary ammonium compounds.  
1L PC bottle, 1,000ml fill, 10/pk..... 76461-866

### Lethen Broth, Modified

Used to determine the antimicrobial activity of quaternary ammonium compounds and in the microbial evaluation of cosmetics.  
16x125mm tube, 9ml fill, 10/pk..... 89497-620  
125ml polypropylene wide-mouth bottle, 99ml fill, 50/pk..... 76299-206

### R2A Agar

For the enumeration of heterotrophic bacteria in water, especially potable water.  
15x100mm plate, 10/pk..... 89410-652

### Standard Methods Agar

#### (Plate Count Agar)

For the cultivation and enumeration of microorganisms.  
500ml PC bottle, 500ml fill, 10/pk .....



## General Growth

### BHI (Brain Heart Infusion) Agar

A general purpose nutrient medium recommended for the cultivation, storage, and maintenance of a variety of microorganisms, including bacteria, yeasts, and molds.  
15x100mm plate, 10/pk..... 89407-374

### BHI (Brain Heart Infusion) Broth

For the cultivation of microorganisms.  
13x100mm glass tube, 5.5ml fill, 20/pk..... 89407-386  
16x100mm PC tube, 20/pk ..... 89407-384  
16x125mm PC tube, 20/pk ..... 89407-378

### Brucella Agar with Hemin and Vitamin K

For the cultivation of anaerobes. A non-inhibitory general growth medium for all Gram-positive and Gram-negative anaerobic bacteria. Optimized formula for enhanced growth of anaerobes.  
15x100mm plate, 10/pk..... 89405-032

### Chocolate Agar

For the enriched cultivation of fastidious bacteria.  
15x100mm plate, 10/pk..... 89407-118

### Thioglycollate Broth with Indicator

For the cultivation of microorganisms. Filtered to remove dead bacteria and debris.  
16x125mm tube, 20/pk..... 89407-974

### TSA (Tryptic Soy Agar) with Lecithin and Tween® 80

For use as a general growth medium for the isolation and cultivation of microorganisms.  
15x100mm plate, 10/pk..... 89407-290  
15x100mm plate, 27ml deep fill, 10/pk..... 89408-042  
500ml PC bottle, 400ml fill, 10/pk ..... 89408-032

### TSA (Tryptic Soy Agar), USP

For use as a general growth medium for the isolation and cultivation of microorganisms.  
15x100mm plate, 10/pk..... 89407-330  
15x100mm plate, 69ml fill, 10/pk..... 89408-020

### TSB (Tryptic Soy Broth) with Lecithin and Tween® 80, USP

For the cultivation of a wide variety of fastidious and nonfastidious microorganisms from nonclinical specimens.  
236ml wide mouth glass jar, 90ml fill, 12/pk ..... 76045-460

### TSB (Tryptic Soy Broth), USP

For the isolation and cultivation of a wide variety of bacteria and fungi.  
180ml wide mouth PC jar, 100ml fill, 12/pk ..... 89408-044

## Mold, Yeast and Fungi

### Malt Extract Agar

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

### Malt Extract Agar with 0.01% Chloramphenicol, Slant

For the selective isolation of fungi.  
16x100mm glass tube, 5.5ml slant, 20/pk..... 89407-726

### Potato Dextrose Agar, USP

For the cultivation of yeast and mold, and for the inducement of sporulation in non-clinical samples.  
15x100mm plate, 10/pk..... 89407-826

### Sabouraud Dextrose (SabDex) Agar

For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic species of fungi and yeasts, and meet the harmonized USP/EP/JP standards for the microbial examination of non sterile products.  
15x100mm plate, 10/pk..... 89407-894  
500ml PC Bottle, 500ml fill, 10/pk ..... 89407-874

### Sabouraud Dextrose (SabDex) Agar with Chloramphenicol

For the selective isolation of fungi and yeasts from clinical and nonclinical specimens.  
15x100mm plate, 10/pk..... 52428-858



### Sabouraud Dextrose (SabDex) Agar with Chloramphenicol and Tetracycline

For the selective isolation of fungi.

15x100mm plate, 26ml fill, 20/pk..... 89407-908

### Sabouraud Dextrose (SabDex) Agar with Lecithin and Tween® 80, Deep

For the isolation and cultivation of fungi and the neutralization of disinfectants.

500ml PC Bottle, 400ml fill, 10/pk..... 89407-900

### Selective Enrichment, Cultivation, or Detection of Gram Negative Bacteria

#### Burkholderia cepacia Selective Agar (BCSA)

For the selective isolation and differentiation of *Burkholderia (Pseudomonas) cepacia*.

15x100mm plate, 10/pk..... 89423-720

#### BBE Agar (Bacteroides Bile Esculin)

For the selective isolation and detection of *Bacteroides fragilis* group.

15x100mm plate, 10/pk..... 89407-132

#### Cetrimide Select Agar, for Pseudomonas, USP

For the selective isolation of *Pseudomonas aeruginosa*.

15x100mm plate, 10/pk..... 89407-198

#### EE Broth Mossel, USP

For use in the selective enrichment and detection of *Enterobacteriales*.

180ml wide mouth PC jar, 90ml fill, 12/pk..... 10135-884

#### EMB Levine Agar

(Eosin Methylene Blue Levine Agar)  
For isolation and differentiation of Gram negative bacilli.

15x100mm plate, 10/pk..... 89407-238

#### HardyCHROM™ Bcc

For selective isolation and differentiation of *Burkholderia cepacia*, and other closely related species, based on colony color.

15x100mm plate, 10/pk..... 76461-868

#### HardyCHROM™ ECC

A chromogenic media recommended for the detection, differentiation, and enumeration of *Escherichia coli* and other coliforms.

15x100mm plate, 10/pk..... 89407-254

#### Isolation Agar

For the selective isolation of *Pseudomonas aeruginosa*.

15x100mm plate, 10/pk..... 89407-226

15x60mm plate (membrane filtration format), 10/pk..... 89407-166

#### Lactose Broth

For the cultivation of coliforms and *Salmonella* spp. Single strength.

180ml wide mouth PC jar, 90ml fill, 12/pk..... 10135-870

354ml wide mouth glass bottle, 225ml fill, 12/pk..... 89407-648

#### LKV Agar

For the selective isolation of gram negative anaerobic bacteria, especially *Bacteroides* spp.

15x100mm plate, 10/pk..... 75846-312

#### MacConkey Agar, USP

For the isolation and differentiation of gram negative bacteria, especially the Enterobacteriaceae group. Advanced formula controls the swarming of *Proteus*.

15x100mm plate, 10/pk..... 89407-706

#### Malonate Broth

For the differentiation of Gram-negative bacilli based on malonate utilization.

15x103mm PC tube, 5ml fill, 20/pk..... 89407-706

#### Moeller's Arginine Decarboxylase

For the differentiation of Gram-negative enteric bacilli based on the decarboxylation reaction of amino acids.

16x125mm glass tube, 5ml fill, 20/pk.... 89407-748



### Motility Nitrate

For the detection of motility and nitrate reduction of non-fermentative bacilli.

13x100mm glass tube, 3ml fill, 20/pk... 89407-750

### MR-VP (Methyl Red - Voges Proskauer) Broth

For the identification of Gram-negative bacilli.

15x103mm PC tube, 5ml fill, 20/pk..... 89407-758

### Simmons Citrate Agar Slant

For the detection of citrate utilization of Gram-negative enteric bacilli.

16x100mm glass tube, 20/pk..... 89407-926

### TSI (Triple Sugar Iron) Agar Slant

For the identification of Gram-negative bacilli.

16x125mm tube, 8ml Slant, 20/pk..... 89408-134

### Violet Red Bile with Glucose Agar (VRBGA), USP

For the detection of *Enterobacterales* in non-sterile products.

15x100mm plate, 10/pk..... 89407-194

## Selective Enrichment, Cultivation, or Detection of Gram Positive Bacteria

### Baird-Parker Agar

For the selective detection and enumeration of coagulase-positive staphylococci.

15x100mm plate, 10/pk..... 89407-366

### BEA with Azide

#### (Bile Esculin Agar with Azide)

For the cultivation and presumptive identification of group D streptococci and enterococci.

Inhibits Gram-negative bacteria, 15x100mm plate, 10/pk..... 89407-138

### BEA (Bile Esculin Agar) Slant

For the identification of group D streptococci including enterococci.

16x100mm tube, 20/pk..... 89407-392

### HardyCHROM™ Staph aureus

Allows for the rapid and reliable detection of *S. aureus*, which produces deep pink colored colonies. Bacteria other than *S. aureus* may utilize the other chromogenic substrates and produce blue colonies. If none of the substrates are utilized, natural or white colored colonies will be present.

15x100mm plate, 10/pk..... 89407-260

### Nutrient Gelatin Deep

For the detection of the ability of bacteria to liquefy gelatin.

15x103mm PC tube, 6ml fill, 20/pk..... 89407-780

### Vogel and Johnson Agar

For the selective isolation of coagulase-positive, mannitol-positive *Staphylococcus aureus* strains.

15x100mm plate, 10/pk..... 89407-208





## Gram Negative or Gram Positive Speciation

### OF Mannitol Medium

For the detection of carbohydrate oxidation or fermentation by bacteria.

13x100mm PC tube, 3ml fill, 20/pk..... [89407-790](#)

### OF Dextrose Medium

For the detection of carbohydrate oxidation or fermentation by bacteria.

13x100mm PC tube, 3ml fill, 20/pk..... [89407-786](#)

### OF Fructose Medium

For the detection of carbohydrate oxidation or fermentation by bacteria.

13x100mm PC tube, 3ml fill, 20/pk..... [89407-788](#)

## Recovery of Gram Positive and Gram Negative Organisms from Viscous Products

### TAT Broth

For the detection of microorganisms from topical drugs, cosmetics, and other viscous materials.

20x125mm tube, 9ml fill, 20/pk..... [89407-962](#)

125ml polypropylene wide mouth bottle, 99ml fill, 50/pk..... [76446-788](#)

118ml Boston Round bottle, 90ml fill, 20/pk..... [89407-956](#)

118ml Boston Round bottle, 99ml fill, 20/pk..... [89407-960](#)

236ml wide mouth glass jar, 90ml fill, 12/pk..... [10135-904](#)

236ml wide mouth glass jar, 99ml fill, 12/pk..... [10135-906](#)

1L polypropylene bottle, 1L fill, 10/pk..... [89407-950](#)





# Reagents

## Catalase Reagent

Useful in the identification and differentiation of many bacteria such as *Streptococcus* species (catalase-negative) and *Staphylococcus* species (catalase-positive). Catalase positive organisms will produce gas bubbles in the presence of hydrogen peroxide 3%, H<sub>2</sub>O<sub>2</sub>.

Catalase Reagent, hydrogen peroxide 3%, 15ml dropper bottle. Each ..... **89407-446**

Catalase Reagent, hydrogen peroxide 3%, 60ml bottle. Each ..... **89407-444**

Catalase Reagent for Anaerobes, Hydrogen Peroxide 15%, 15ml dropper bottle. Ea.. **10063-756**



## OxiStrips™

Paper strips for testing the oxidase reaction. Simply place a drop of water on the strip, then rub on bacteria. Positives turn dark purple within 15 seconds. OxiStrips™ Oxidase test, 25 strips/pk ..... **89407-796**



## OxiSticks™ Oxidase Swabs

For use in testing the oxidase reaction of bacteria. Simply touch the swab to the colony to be tested and observe for color change. OxiSticks™ tests, 25 swabs per vial..... **89407-794**

## CoaguStaph™

Lyophilized rabbit plasma, for the identification of *Staphylococcus aureus* by the coagulase test. 6x20ml..... **89407-460**

## Coagulase Cryo™

The ready-to-use Coagulase Cryo™ is used to differentiate *Staphylococcus* species based on the ability to produce coagulase. No addition of water, no mixing, no measuring required! It contains rabbit plasma, and is used to test for the production of free coagulase. Simply thaw the plastic vial to room temperature, inoculate, and observe for coagulation. For *Staphylococcus aureus*, 0.5ml in a 2ml vial, ready-to-use, 20/pk ..... **89407-462**



## StaphTEX™ Blue

The StaphTEX™ Blue latex agglutination test kit detects both the Clumping Factor and Protein A found in *Staphylococcus aureus*. The entire procedure takes less than one minute. Liquid controls are included, blue beads on a white card for easy read-out. StaphTEX™ Blue, 50 tests ..... **89407-930**  
StaphTEX™ Blue, 200 tests ..... **89407-932**  
StaphTEX™ Blue, 1000 tests ..... **89407-935**



# CRITERION™

DEHYDRATED CULTURE MEDIA

Product	Mylar® Zip-Bag Pre-weighed to make 2 liters of media	500gm Jar	2kg Bucket	10kg Bucket
Baird-Parker Agar Base <sup>1</sup>	89405-104	89405-106	89405-108	89405-110
Brain Heart Infusion Agar	89405-128	89405-130	89405-132	89405-134
Cetrimide Selective Agar Base <sup>2</sup>	89405-274	89405-276	89405-278	89405-280
D/E Neutralizing Broth	89406-308	89406-310	89406-312	89406-314
D/E Neutralizing Agar, Modified	89405-338	89405-340	89405-342	89405-344
DNase Test Agar with Toluidine Blue	89405-404	89405-406	89405-408	89405-410
EMB Agar, HHT	89406-282	89406-284	89406-286	89406-288
EMB Agar, Levine	89405-428	89405-430	89405-432	89405-434
Hektoen Enteric (HE) Agar	89405-480	89405-482	89405-484	89405-486
Lactobacilli MRS Broth	89405-520	89405-522	89405-524	89405-526
Lauryl Tryptose Broth	89405-544	89405-546	89405-548	89405-550
Lethen Agar	89406-300	89406-302	89406-304	89406-306
Lethen Agar, Modified	89406-560	89406-562	89406-564	89406-566
Lethen Broth	-----	-----	89405-584	89405-586
Lethen Broth, Modified	89406-460	89406-462	89406-464	89406-466
MacConkey Agar	89405-628	89405-630	89405-632	89405-634
MacConkey Agar with MUG	89405-612	89405-614	89405-616	89405-618
Mannitol Salt Agar	89405-676	89405-678	89405-680	89405-682
Malt Extract Agar	89405-652	89405-654	89405-656	89405-658
Nutrient Broth	89405-792	89405-794	89405-796	89405-798
Potato Dextrose Agar (PDA)	89405-898	10033-086	89405-900	89405-902
Pseudomonas Isolation Agar Base <sup>2</sup>	89405-936	89405-938	89405-940	89405-942
R2A Agar	89405-948	89405-950	89405-952	89405-954
SabDex Agar	-----	-----	89406-002	-----
SabDex Agar with Chloramphenicol	89405-974	89405-976	89405-978	89405-980
SabDex with Lecithin and Tween®	89405-990	89405-992	89405-994	89405-996
Starch Agar	89406-086	89406-088	89406-090	89406-092
TAT Broth Base <sup>4</sup>	89406-102	89406-104	89406-106	89406-108
Triple Sugar Iron (TSI) Agar	89406-150	89406-152	89406-154	89406-156
Tryptic Soy Agar (TSA)	89406-158	89406-160	89406-162	89406-164
Tryptic Soy Agar with Lecithin and Tween®	89406-168	89406-170	89406-172	89406-174

Product	Mylar® Zip-Bag Pre-weighed to make 2 liters of media	500gm Jar	2kg Bucket	10kg Bucket
Tryptic Soy Broth (TSB)	89406-176	89406-178	89406-180	89406-182
Tryptic Soy Broth (TSB) No. 2	76461-858	76461-860	76461-862	76461-864
Tryptic Soy Broth with Bile Salts No. 3	76045-462	76045-464	89406-732	-----
Tryptic Soy Broth with Indicator	89406-658	89406-660	89406-662	89406-664
Tryptose Phosphate Broth	-----	89406-206	-----	89406-208
Vogel and Johnson Agar Base <sup>3</sup>	89406-250	89406-252	89406-254	-----
XLD Agar	89406-274	89406-276	89406-278	-----

- (1) Egg Yolk Tellurite Emulsion, 100%, 1x100ml , Cat. no. 89407-702
- (2) Glycerol, 100gm
- (3) Potassium Tellurite (3.5%), 10x2ml vials, 100gm, Cat. no. 89423-146
- (4) Tween® 20, 1x40ml, Cat. no. 89407-642



# CompactDry™ Colony Count Plates

## Colony Counting Simplified

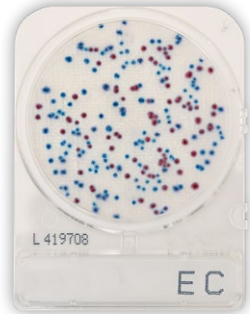
### CompactDry™ TC Total Count

For total aerobic viable bacterial count. Growing colonies will appear red.  
240/pk ..... 76414-994



### CompactDry™ EC *E. coli* and Coliforms

For the isolation and enumeration of coliforms and *E. coli*. Coliform colonies will appear red, and *E. coli* colonies will appear blue.  
240/pk ..... 76414-990



### CompactDry™ ETB *Enterobacteriaceae*

For the isolation and enumeration of *Enterobacteriales*. Growing colonies will appear magenta in color.  
100/pk ..... 10753-986



### CompactDry™ XSA *Staphylococcus aureus*

For the selective growth, enumeration, and differentiation of *Staphylococcus aureus*. Growing colonies will appear blue-green.  
240/pk ..... 76414-996



### CompactDry™ YM Yeast and Mold

For the isolation and enumeration of yeast and mold. Yeast colonies will appear blue, and molds will form cottony colonies with characteristic colors.  
240/pk ..... 76414-998



### CompactDry™ YMR Yeast and Mold Rapid

For the isolation and enumeration of yeast and mold. Rapid format provides results in 48-72 hours. Yeast colonies will appear blue, and molds will form cottony colonies with characteristic colors.  
240/pk ..... 76415-000



Manufactured for Hardy Diagnostics by

 **NISSUI PHARMACEUTICAL CO., LTD**

# Introducing *The Wizard*<sup>™</sup> CompactDry<sup>™</sup> Reader



## Designed exclusively for CompactDry<sup>™</sup>

The Wizard<sup>™</sup> CompactDry<sup>™</sup> Reader is a small instrument that will make a big impact on reducing the time spent counting colonies by hand.

## Easy to use

Flip the switch, choose your configuration, insert your CompactDry<sup>™</sup> plate(s), select read, and save your results!

Cat. no. 76177-196



## Consistency where it counts

The Wizard<sup>™</sup> brings precise colony counts to each and every set of plates, eliminating the risk of human error and inconsistency. Digitizes plate images and includes software for data storage.

## Your colony count in seconds

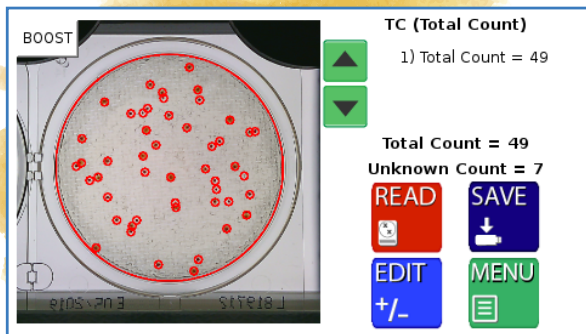
Save technician hours on this simple and tedious task to maximize your throughput possibilities.

## Simple implementation

Easy-to-understand instructions make for simple Standard Operating Procedures, allowing you to train your team and begin utilizing automation for your colony counts.

## Compliance made easy

Make data compliance easy in any lab with several ways to save your test results. Transfer to LIMS software, save directly to USB, or print your data.



# Anaerobic Microbiology

# anaero<sub>2</sub>GRO™

## Pre-Reduced Anaerobic Culture Media

### MultiPak A, Brucella with Hemin and Vitamin K Monoplate, PEA Monoplate, and BBE/LKV Biplate

Recommended for use in the primary isolation, quantitation, and partial identification of obligately anaerobic microorganisms. The medium is also suitable for the growth of aerobic and microaerophilic bacteria when incubated under the appropriate conditions.

### Plate 1: Monoplate:

- **Brucella Agar with Hemin and Vitamin K**

### Plate 2: Monoplate:

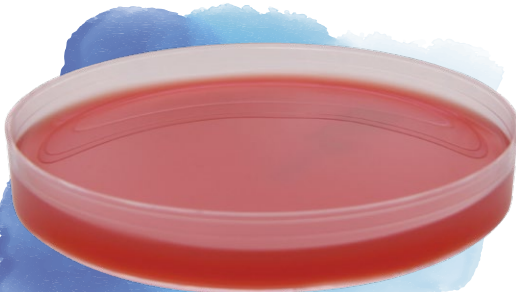
- **Anaerobic PEA Agar**

### Plate 3: Biplate:

#### Section I: **BBE Agar (Bacteroides Bile Esculin)**

#### Section II: **LKV (Laked Blood with Kanamycin and Vancomycin) Agar**

Three 15x100mm plates ..... 10324-356



### Brucella Agar with Hemin & Vitamin K

For use in the primary isolation, quantitation, and partial identification of obligately anaerobic microorganisms. The medium is also suitable for the growth of aerobic and microaerophilic bacteria when incubated under the appropriate conditions.

1 plate/pk ..... 10127-480

4 plates/pk ..... 10119-762

## Anaerobe Jar

This anaerobic jar is specially formulated for temperature stability and durability. The 3/8" thick anodized aluminum lid allows increased resistance to warping, cracking, and breakage. Shipped complete with a stainless steel rack to accommodate 100mm petri dishes. Double screw clamp, coupled with the patented Quad Ring, ensures a more positive seal, superior to conventional O-rings. It also doubles as a handy carrying handle.

Each ..... 89426-216



## AnaeroGen™ 2.5 Liter Sachets

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.

10 sachets/bx..... 10158-948

## 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 anaerobic environment producing sachet, oxygen impermeable pouch, and sealing clip. Each pouch is large enough to hold four 15x100mm petri plates.

- 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

# Rapid Identification Systems

## Microgen® ID Panels

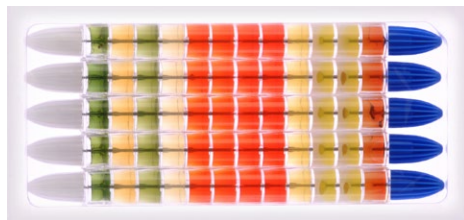
Microgen® ID panels, in a convenient microwell strip, reduces labor costs, time, and laboratory space.



Product	Cat. no.
GN (Gram Negative) ID, Panel A, 60 tests/kit	10063-748
Microgen® Bacillus ID Panel, 20 tests/kit	10032-748
Microgen® Staph ID Panel, 20 tests/kit	10062-778
Nitrate Reagent A	89407-776
Nitrate Reagent B	89407-772
Nitrate Reagent C	89407-774
Voges-Proskauer Reagent A	89408-170
Voges-Proskauer Reagent B	89408-172
TDA (Ferric Chloride)	89407-514
Indole Kovacs	89407-610
Oxidase Strips	89407-796
Ninhydrin	89407-768

## Enteropluri

For the rapid identification of *Enterobacterales*, utilizing modified conventional and chromogenic substrates Enteropluri-Test is a 12-sector system containing special culture media identification of *Enterobacterales* and other Gram-negative, oxidase negative bacteria. Results in 18-24 hours. Enteropluri, 25/bx ..... 75993-446



## Biological Indicators

### SPORAMPULE®

**SporAmpule® Liquid Biological Indicator, for Steam Sterilization**

An error-free BI (Biological Indicator) system certified for use with steam sterilization processes. After processing in a normal load, the SporAmpule® is incubated at 56°C for 48 hours. A purple to yellow color change and visible turbidity of a processed SporAmpule® indicates sterilizer failure.

20/pk..... 89422-664  
 100/pk..... 89422-666



# General Lab Supplies

## Alpet D2 Surface Sanitizer/ Disinfectant

- 58% isopropyl + quaternary ammonia
- Clean, sanitize and disinfect surfaces with one product
- 10 second kill on contact surfaces
- Highly evaporative and ideal for water sensitive equipment and low moisture environments

5 gallon pail ..... 10032-752



## AloeSafe™ Antiseptic Gel Hand Sanitizer

AloeSafe™ hand sanitizer with ethyl alcohol gel with Aloe Vera, Lavender Oil, and Vitamin E, without the harsh chemicals.

- Formulated with Aloe and Vitamin E to keep from drying
- Lavender Scent
- 62% Ethanol
- No Glycerin
- No Parabens
- Kill 99.9% of Bacteria

16 oz. bottle,  
Each ..... 89423-144

## Loops and Spreaders

Available in a variety of formats to meet your personal needs.

SpeedStreaks™ 10µl Loops, disposable,  
flexible, light blue,  
25/pack, 1000/case ..... 10053-842



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delivered by **VWR™**

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