

PHARMACEUTICAL

Microbiology



PHARMACEUTICAL

Microbiology

Contents

- 2 Environmental Monitoring Contact Plates
- 3 Sterile Environmental Monitoring Plates
- 4 Environmental Testing Swabs
- 5 TRIO.BAS™ Viable Microbial Air Samplers
- 11 DuraRack® Petri & Contact Plate Rack
- 12 Sterility Testing System
- 14 Sterility Testing Culture Media per USP <71>
- 15 Membrane Filtration
- 17 Plate and Tube Media
- 19 *Mycoplasma* Testing
- 20 Bottle and Jar Media
- 23 Bottle Media with Septum
- 24 ReadyRack™
- 25 Media Bag™ Tryptic Soy Broth
- 26 CRITERION™ Dehydrated Culture Media
- 28 QC Microorganisms
- 30 Preservative Efficacy Testing Controls
- 30 Enumerated Mycoplasma Controls
- 31 Microbiologics® Custom Solutions
- 31 Cryogenic Vials
- 32 Anaerobic Microbiology
- 33 Protective Gear

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 10,000 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 *in the USP/NF Compounding Compendia, including Microbiological Examination of Nonsterile Products: Tests for Burkholderia cepacia complex (Bcc) infections <60>, Microbial Enumeration Tests <61>, Microbiological Examination of Nonsterile Products: Tests for Specified Microorganisms <62>, and Sterility Tests <71>.*

• 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. Our microbial air sampler calibration services are ISO 17025 certified.

• 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



LOK TIGHT™

Non-Irradiated Contact Plates

Tryptic Soy Agar with Lecithin and Tween® 80

For the cultivation
and enumeration of
microorganisms.

10/pk

P34

Sabouraud Dextrose Agar

For the cultivation of fungi.

10/pk

P36

Malt Extract Agar with Lecithin and Tween®

For the cultivation of fungi.

10/pk

P93

Improved design with friction-fit lid and locking mechanism



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 ensures lids stay secured.

Irradiated Contact Plates

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, irradiated,
triple bagged,

10/pk

P520R

Sabouraud Dextrose Agar with Lecithin and Tween® 80, USP

For the cultivation of fungi.

Irradiated, triple bagged,

10/pk

P595

Sterile Environmental Monitoring Plates

Irradiated • Triple Bagged



- **Sterile by irradiation** - Validated for a Sterility Assurance Level (SAL) of 10^{-6}
- **Certificates of analysis** - Available at the Hardy Diagnostics website 24/7
- **ISO 13485** - Manufactured in a licensed cGMP facility with an ISO 13485 certified quality management system.
- **Room temperature storage**

R2A Agar

For the enumeration of heterotrophic bacteria in water, especially potable water.

15x100mm plate, 10/pk

W530

Sabouraud Dextrose (SabDex) Agar

For the detection and enumeration of fungi.

15x100mm plate, 10/pk

W565

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

For the detection and enumeration of fungi.

15x100mm plate, 10/pk

W595

Tryptic Soy Agar

For the cultivation and enumeration of microorganisms.

15x100mm plate, 10/pk

W570

Tryptic Soy Agar with Lecithin and Tween® 80, USP

For the cultivation and enumeration of microorganisms.

15x100mm plate, 10/pk

W520



Environmental Testing 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.

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

Lethen Broth

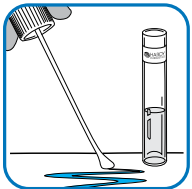
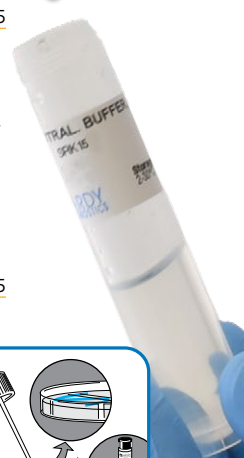
For the detection of microorganisms found on surfaces. Neutralizes phenols, formalin, and ethanol. May be used with CompactDry™ or 3M Petrifilm™. Contains some growth factors.

5ml, 20/box SRK25

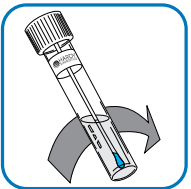
Neutralizing Saline

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



1. Collect sample



2. Safely transport to the lab



3. Cultivate specimen



TRIO.BAS™
BIOLOGICAL AIR SAMPLER

Viable Microbial Air Samplers



TRIO.BAS™ instruments represent the newest generation of microbial air monitoring

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



TRIO.BAS™ MONO

BIOLOGICAL AIR SAMPLER



**Data transfer to
PC capability**

Each kit includes:

TRIO.BAS™ MONO air sampler, induction battery charger and cable, aspirating head, cover head, ROBUSTUS carrying case, calibration certificate, and IQ, OQ, PQ fillable documents.



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

BAS200K

MONO Kit, 100 liters/min., mono plate

BAS201K

MONO Kit, 200 liters/min., contact plate

BAS205K

MONO Kit, 200 liters/min., mono plate

BAS206K



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 IQ, OQ, PQ 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	BAS220K
DUO Kit, 100 liters/min., mono plate	BAS221K
DUO Kit, 200 liters/min., contact plate	BAS225K
DUO Kit, 200 liters/min., mono plate	BAS226K



TRIO.BAS[™]
BIOLOGICAL AIR SAMPLER

RABS ISOLATOR and MULTIFLEX Systems

Specifically designed to meet Pharmaceutical and Biopharmaceutical Cleanroom Regulatory Requirements and Standards

- Compliant with EN/ISO 14698-1, GMP and GLP
- Built in ISO 9001 facility
- Data Integrity per CFR 21 and GAMP 5
- IQ OQ PQ qualification documents included
- Fabricated in AISI 316 Stainless Steel
- Multiple satellites allow use of separate media at the same time to determine bacterial and fungal counts simultaneously
- Bluetooth data transfer capability
- Monitor separate cleanrooms with a single external command unit and satellites attached to 5-meter long cables
- Satellite designs allow sampling inside RABS or Isolators
- Optional 20-meter long satellite cables available (BAS272)
- Sample up to 70,000 liters on a single battery charge

**Data transfer requires additional purchase of BAS296 software*



RABS ISOLATOR

External Command Unit and One Satellite with the ability to add up to two additional satellite kits

Each kit includes:

- Instrument
- Satellite aspirating head
- Stainless steel head cover
- Five meter long satellite attachment cable
- Charging and data transfer* cable
- ROBUSTUS carrying case
- Calibration certificate
- IQ OQ PQ fillable guideline documents

RABS ISOLATOR 1 Satellite Pack, 100 liters/min., Contact plate	BAS268K
RABS ISOLATOR 1 Satellite Pack, 100 liters/min., Petri plate	BAS269K
RABS ISOLATOR 1 Satellite Pack, 200 liters/min., Contact plate	BAS270K
RABS ISOLATOR 1 Satellite Pack, 200 liters/min., Petri plate	BAS271K



MULTIFLEX 1

Command Unit + Built-in Aspirating Head

with the ability to add up to two additional standard satellite kits (pg 8)

Each kit includes:

- Instrument
- Stainless steel head cover
- Charging and data transfer* cable
- ROBUSTUS carrying case
- Calibration certificate
- IQ OQ PQ fillable guideline documents

MULTIFLEX 1, 100 liters/min., Contact plate	BAS483K
MULTIFLEX 1, 100 liters/min., Petri plate	BAS484K
MULTIFLEX 1, 200 liters/min., Contact plate	BAS485K
MULTIFLEX 1, 200 liters/min., Petri plate	BAS486K

*Data transfer requires additional purchase of BAS296 software



*Data transfer requires additional purchase of BAS296 software

MULTIFLEX 1+2

Command Unit + Built-in Aspirating Head and Two Independent Satellites

Each kit includes:

- Instrument
- Three stainless steel aspirating heads with stainless steel head covers
- Two 5-meter long satellite attachment cables
- Charging and data transfer* cable
- Calibration certificate
- IQ OQ PQ fillable guideline documents



MULTIFLEX 1+2, 100 liters/min., Contact plate	BAS474K
MULTIFLEX 1+2, 100 liters/min., Petri plate	BAS475K
MULTIFLEX 1+2, 200 liters/min., Contact plate	BAS476K
MULTIFLEX 1+2, 200 liters/min., Petri plate	BAS477K

Standard Satellite Kits with Cables

Each kit includes:

- Satellite air sampling chamber
- Stainless steel aspirating head
- Stainless steel head cover
- Five meter long satellite attachment cable
- LIGHT carrying case

Contact	BAS260K
Petri	BAS261K



HEPA-Equipped Satellites

- Add one to three satellites
- Stainless steel HEPA satellite
- Stainless steel aspirating head
- Stainless steel head cover
- Five meter long satellite attachment cable
- One box of HEPA filters

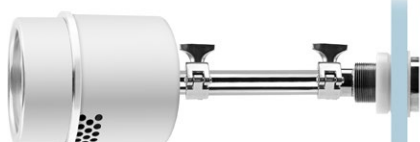
Contact	BAS262K
Petri	BAS263K



Satellites with Tri-Clamps

- Satellite and Tri-Clamp
- Aspirating heads and covers sold separately (BAS330/331 and BAS465)

Contact	BAS320K
Petri	BAS321K



Cannot be used concurrently with standard, or other, satellite configurations. Not for use with Multiflex.



Ideal for settling
plate exposure
under unidirectional
air flow

**Standardize your passive
air monitoring protocols
with TRIO.SETTLE. Fully
autoclavable AISI 316 rated
stainless steel support for
settling plates.**



**Shown in
adjustable
positions*

The TRIO.SETTLE ideally standardizes the position of the culture plate reducing the risk of contamination during sampling.

Position culture media (settling plates) for best articulation to provide a quantitative analysis of airborne microorganisms deposited over a set period of exposure.

TRIO.SETTLE features:

- AISI 316 stainless steel fabrication
- Upper surface disc to accommodate an open culture plate during sampling
- Lower surface disc to accommodate the lid of the culture plate
- Adjustable to obtain different inclinations to the agar surface related to the direction of airflow, avoiding laminar flow turbulence.
- Floor base model includes floor base and a 1-meter tall stainless steel tripod

TRIO.SETTLE table plate stand

BAS367

TRIO.SETTLE floor plate stand

BAS368



**TRIO.BAS IN-REST
Plate Holder**

To facilitate operations and reduce contamination risks during sampling activities. Useful as a temporary support for culture media plates and/or lids, as well as TRIO.BAS instrument sampling heads.

Each

BAS180

Cleanroom Bag

Sterile bags ideal for safely containing and transporting Petri dishes, contact plates, swabs, or other objects, outside of the cleanroom.

Each

BAS381



Hardy Diagnostics

DuraRack®

**Plastic racks are brittle and cheap. Metal racks rust over time.
DuraRack® will withstand the test of time!**

The DuraRack® is a durable, autoclavable, epoxy coated, heavy gauge steel wire rack that allows for easy loading and unloading of culture media plates. Sturdy welded design and advanced long-lasting protective coating provides a plate rack that will last.



DURA84

- DuraRack® made for 100mm Petri plates and DuraRack™ CONTACT made for 65mm contact plates
- Advanced epoxy coated steel wire is chemical and corrosion resistant and steam autoclavable
- Six columns hold either 100mm or 65mm diameter stacked plates
- Plate access from the top and bottom allows for easy and safe removal of dish stacks
- Use to organize, batch, transport, incubate, and refrigerate culture dishes

- Ample space for labeling on both ends
- Designed to maximize and preserve incubator and lab bench space
- Ideal for both high and low volume laboratories
- DURA84 is 7-3/8" W x 13" L x 9-1/2" H
- DURA60 is 7-3/8" W x 13" L x 7-1/4" H
- DURA60C is 6-1/2" W x 10-1/2" L x 6-3/4" H

DURA60



DURA60C



DuraRack®
CONTACT

Contact Plate Rack!

DURARACK® holds 60, 100mm Petri plates

DURA60

DURARACK® holds 84, 100mm Petri plates

DURA84

DURARACK® CONTACT, holds 60, 65mm Contact plates

DURA60C

Sterility Testing System

Sterisart® Universal Pump by Sartorius

- Gold standard for sterility testing of pharmaceuticals
- 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



SARTORIUS

Sterisart® Canisters

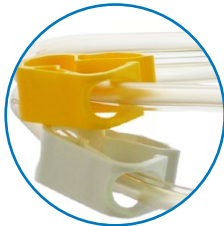
Disposable Sample Canisters and Adapters for use with Sterisart® Universal Pump

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



Septum

Sterisart® Canisters available with or without a needle port septum for subculturing



Pre-installed color-coded tube clamps



VHP resistant packaging



Stainless steel septum needle



Transfer tubing

Vent filter

Easy-to-read graduated marks

Reliable membrane for high retention of microbes

Call 800.266.2222 for a Price Quote!

Sterility Testing Culture Media per USP <71>

Tryptic Soy Broth

For use as a general growth medium for the cultivation and detection of a wide variety of bacteria, yeast, and other fungi. 100ml fill, 100ml bottle with needle-port septum, 20/pk

U46



Fluid Thioglycollate

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms in normally sterile materials. 100ml fill, 100ml bottle with needle-port septum, 20/pk

U84



Fluid A

Suitable as a general rinse buffer, and compatible with most samples. Excellent for dissolving or diluting samples and reconstituting commercial microorganisms. 100ml fill, 100ml bottle with needle-port septum, 20/pk

U109



Fluid D

Suitable for testing specimens that contain lecithin or oil, and compatible with most antibiotics. Excellent for rinsing sterile pathways of devices, and typically needed for rinse method testing of medical devices. 100ml fill, 100ml bottle with needle-port septum, 20/pk

U110

For all available rinsing fluid formats please see pg. 20

Fluid K

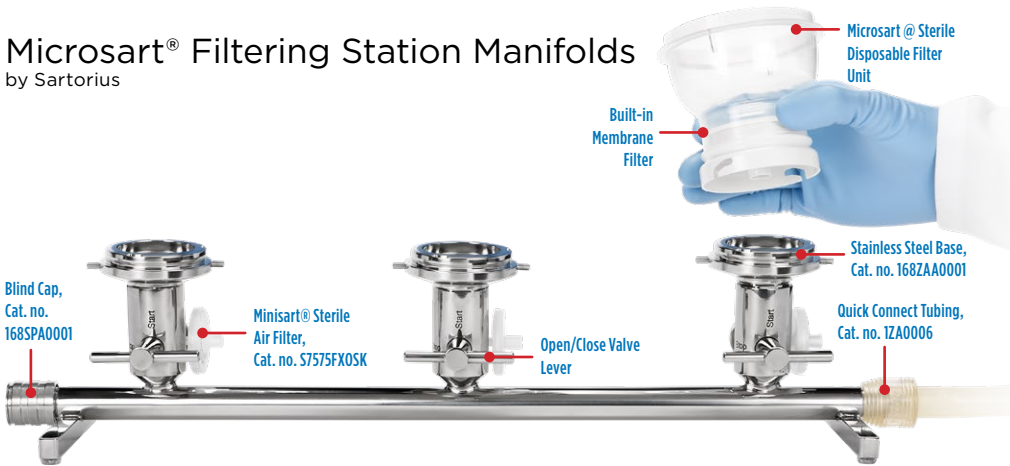
Suitable for testing specimens that contain petrolatum, oils, or oily solutions. Excellent for rinsing of devices and membrane filters according to USP procedures, and for samples that are difficult to filter or dissolve. 300ml fill, 500ml bottle with needle-port septum, 10/pk

U348



Membrane Filtration

Microsart® Filtering Station Manifolds by Sartorius



Membrane Filtration is the established method of choice for liquid testing as it provides reliable and reproducible results. Microsart® Manifolds adapt to your individual microbiological testing procedures. Choose the manifold size, from single branch to multi-branch.

- Stable ergonomic design made of 100% stainless steel
- Autoclavable with no disassembly required
- Sterile venting in critical applications reduce risk of secondary contamination

Manifold Description	Cat. no.
1-Branch	168M1MS
2-Branch	168M2MS
3-Branch	168M3MS
6-Branch	168M6MS



Microsart @ Filters

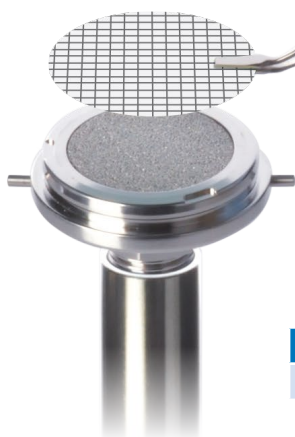
100ml Volume

Pore Size	Pack Type	Pk Sz	Cat. no.
0.2µm	Stacked in bag	60	16D011007BL
0.45µm High-Flow	Stacked in bag	60	16D0110H6BL
0.2µm	Tray	24	16D011007TG
0.45µm High-Flow	Tray	24	16D0110H6TG
0.2µm	Individually Pkd	27	16D011007ACG
0.45µm High-Flow	Individually Pkd	27	16D0110H6ACG

250ml Volume

Pore Size	Pack Type	Pk Sz	Cat. no.
0.2µm	Stacked in bag	48	16D012507BK
0.45µm High-Flow	Stacked in bag	48	16D0125H6BK
0.2µm	Individually Pkd	18	16D012507ACF
0.45µm High-Flow	Individually Pkd	18	16D0125H6ACF

Membrane Filters



Cellulose Nitrate Gridded Membrane Filter

For funnels without built-in filters

- 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 wrapped and sterilized
- Quality assurance certificate included

Filter Color / Grid	Pore Size	Pack Size	Cat. no.
White/black	0.45µm	100	1140647ACN
White/black	0.45µm High-Flow	100	114H647ACN

Microsart® e.motion Membrane Filters

- For use with Microsart® e.motion, motion activated filter dispenser
- Individually wrapped on pleated rolls, sterile packed, 47mm
- Special pleating and shape of sealing band around membrane filters ensures perfectly flat and uniform dispensing of individual filters

Filter Color / Grid	Pore Size	Pack Size	Cat. no.
White/black	0.45µm	300	11406Z47SCM
White/black	0.45µm High-Flow	300	114H6Z47SCM



Vacuum Pumps

Microsart® e.jet Pump

Laboratory vacuum pump capable of simultaneously creating a vacuum and transferring filtered liquids to waste. Ideal for sample preparation in microbiological analysis. Constant flow rates, and a defined maximum vacuum, guaranteed smooth and reliable filtration.

Microsart® e.jet Vacuum Pump

Each 166MP4

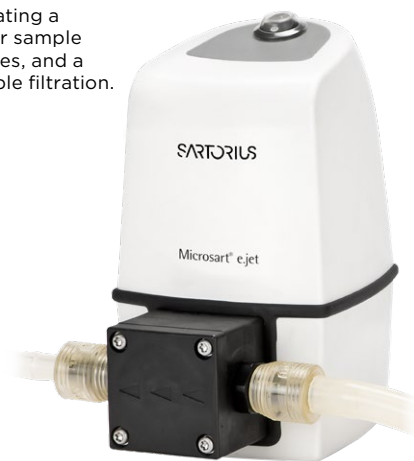
1 Meter Silicone Vacuum Hose with Quick Connection

Each 1ZAS0016

Microsart® maxi.vac Pump

For 3 to 6 place manifolds.

Each 1669416022



See our website for all Sartorius products

Plate and Tube Media

Burkholderia cepacia Selective Agar (BCSA), USP

For the selective isolation and differentiation of *Burkholderia (Pseudomonas) cepacia* from sputum samples from cystic fibrosis patients and other clinical specimens.

15x100mm plate, 10/pk G09

Cetrimide Selective Agar, USP

For the selective isolation of *Pseudomonas aeruginosa*.

15x100mm plate, 18ml fill, 10/pk G18

Columbia Agar, USP

For the growth promotion of *Clostridium* spp. as recommended by the USP.

15x100mm plate, 18ml fill, 10/pk G250

EE Broth Mossel, USP

For use in testing for the absence of bile-tolerant, Gram-negative microorganisms.

16x125mm tube, 9ml fill, 20/pk K191

Fluid Thioglycollate, USP

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms and USP sterility procedures.

16x125mm tube, needle-port hungate cap, 10ml fill, 20/pk K282

Fluid Thioglycollate Broth with Indicator, USP

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms and USP sterility procedures.

16x125mm tube, 10ml fill, 20/pk K21

20x125mm tube, 10ml fill, 20/pk K121

HardyCHROM™ Bcc

A chromogenic agar for selective isolation and differentiation of *Burkholderia cepacia* and 18 other Bcc strains, including *B. cenocepacia* and *B. multivorans*.

15x100mm plate, 10/pk G335

MacConkey Agar, USP

For the isolation and differentiation of Gram-negative bacteria, especially *Escherichia coli*.

15x100mm plate, 10/pk G35

15x100mm plate, 100/bx G35BX

MacConkey Broth

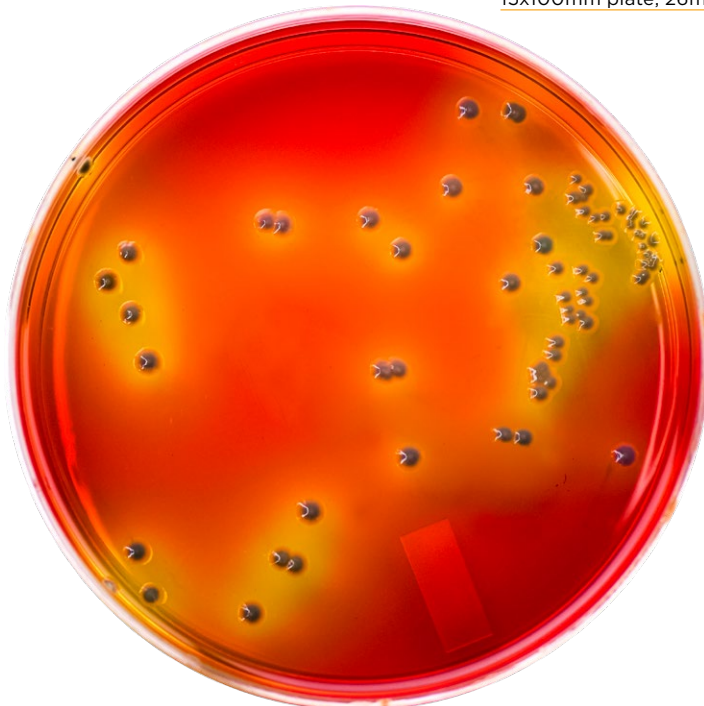
For the isolation and differentiation of Gram-negative bacteria, especially *Escherichia coli*.

16x125mm tube, 10ml fill, 20/pk K196

Malt Extract Agar

For the cultivation and enumeration of yeasts and molds.

15x100mm plate, 26ml deep, 10/pk W28



**Burkholderia cepacia
Selective Agar (BCSA),
USP, Cat. no. G09**

Mannitol Salt Agar (MSA), USP

For the selective isolation and differentiation of *Staphylococcus* spp.

15x100mm plate, 10/pk G40

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

Rappaport-Vassiliadis Broth, USP

For the selective enrichment of *Salmonella* spp.

16x125mm tube, 10ml fill, 20/pk K246

Sabouraud Dextrose (SabDex) Agar with Chloramphenicol

For the selective isolation of fungi and yeasts from clinical and nonclinical specimens.

500ml PC bottle, 500ml fill, 10/pk U445

Sabouraud Dextrose (SabDex) Agar, USP

For the cultivation of yeast and mold.

15x100mm plate, USP, 26ml deep fill, 10/pk W70

15x150mm plate, USP, 70ml fill, 10/pk H39

20x150mm tube, USP, 20ml deep fill, 100/bx Q83

Sabouraud Dextrose (SabDex) Agar, USP, Blue Tinted

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) 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

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



See page 3 for
Irradiated Plates

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

Tryptic Soy Broth (TSB), USP

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

16x125mm tube, hungate cap, 10ml fill, 100/bx K182

16x125mm tube, 10ml fill, 100/bx K82

20x125mm tube, 15ml fill, 20/pk K83

20x150mm tube, 20ml fill, 100/bx K380

Violet Red Bile with Glucose Agar, USP

For the selective isolation of *Enterobacteriaceae* in the microbiological examination of nonsterile products.

15x100mm biplate, 10/pk J132

15x100mm plate, USP, 18ml fill, 10/pk G178

Xylose Lysine Deoxycholate (XLD) Agar, USP

For the growth promotion and indication of *Salmonella* in the microbiological examination of nonsterile products.

15x100mm plate, USP, 10/pk G65

Mycoplasma Media

A8 Agar

For the selective isolation of *Mycoplasma hominis* and *Ureaplasma urealyticum*.

15x60mm plate, 10/pk G02

Frey Medium Agar

Recommended for use in the cultivation and isolation of *Mycoplasma* species.

15x60mm plate, 11ml fill, 10/pk G381

Hayflick Medium Agar

Recommended for use in the cultivation and isolation of *Mycoplasma* species.

15x60mm plate, 11ml fill, 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

SP4 Broth with Arginine

For the selective cultivation and differentiation of *Mycoplasma* species based on the ability to utilize arginine.

13x100mm tube, 2ml fill, 20/pk R85

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



Bottle and Jar Media

Antibiotic Media, USP

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

#35, 500ml polycarbonate bottle, 400ml fill,
10/pk U535

#34, 500ml polycarbonate bottle, 400ml fill,
10/pk U534

#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 U303

Buffer No. 4, USP <81>

For use in antibiotic potency assays.

#4, 500ml polycarbonate bottle, 500ml fill,
10/pk U307

#16, 500ml polycarbonate bottle,
10/pk U558

Buffered Sodium Chloride Peptone, USP

For use as a diluent in performing microbial examination of nonsterile products.

500ml polycarbonate bottle, 500ml fill,
10/pk U301

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 U291

150ml wide mouth polycarbonate jar, 100ml,
12/pk U391

Fluid A, USP

For use as a diluting and rinsing fluid.

250ml Boston round glass bottle, 200ml fill,
12/pk U436

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 U437

180ml wide mouth glass jar,
100ml fill, 12/pk U135

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, USP

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms in normally sterile materials.

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

MacConkey Broth, USP

For the detection of Gram-negative, lactose fermenting bacilli especially *Escherichia coli*.

180ml polycarbonate wide mouth jar,
100ml fill, 12/pk U125

Phosphate Buffer, pH 7.2

For sample preparation.

500ml polycarbonate bottle, 500ml fill,
10/pk U438

Potato Dextrose Agar, USP

For the cultivation of yeast and mold.

250ml Boston round glass bottle, 200ml fill,
12/pk U294

500ml polycarbonate bottle, USP, 500ml fill,
10/pk U376

Sabouraud Dextrose (SabDex) Agar, USP

For the cultivation of yeast and mold.
500ml polycarbonate bottle, USP, 200ml fill,
10/pk U270

473ml Boston round glass bottle, USP,
200ml fill,12/pk U227

473ml Boston round glass bottle, 400ml fill,
12/pk U352

500ml polycarbonate bottle, USP, 500ml fill,
10/pk U353

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

For the cultivation of fungi and the neutralization of disinfectants.
500ml polycarbonate bottle, 400ml fill,
10/pk U175

473ml Boston round glass bottle, 400ml fill,
12/pk U431

Saline 0.85%

For procedures that require the use of an isotonic diluent. It is also recommended for use in preparing test suspensions of organisms.
1L polycarbonate bottle, 1,000ml fill,
10/pk U157

Sterile Water

For general laboratory use and for the preparation of dilutions and suspensions.
1L polycarbonate bottle, 10/pk U284
500ml media bottle, 500ml fill, 10/pk U324
200ml glass bottle, 200ml fill, 10/pk U232
125ml polycarbonate bottle, 50ml fill,
16/pk U336

Thioglycollate without indicator, USP

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms in normally sterile materials.
120ml Boston round glass bottle, 100ml fill,
20/pk U43

Tryptone-Azolectin-Tween® (TAT) Broth

For use in the cultivation of microorganisms from highly viscous or gelatinous materials.
120ml Boston round glass bottle, 90ml fill,
20/pk U87

180ml polycarbonate wide mouth jar, 9
9ml fill, 12/pk U88

1L polycarbonate bottle, 490ml fill,
10/pk U318

1L polycarbonate bottle, 1L fill,
10/pk U319

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 U260

473ml Boston round glass bottle, 400ml fill,
12/pk U360

500ml heavy duty glass bottle, 500ml fill,
Each U158

500ml polycarbonate bottle, 500ml fill,
10/pk U361

1L polycarbonate bottle, 700ml fill,
10/pk U60





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 glass bottle, 40ml fill, minimum order:42 packs 24/pk	U462
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
236ml polycarbonate bottle, 200ml fill, 12/pk	U435
250ml Boston round glass bottle, 160ml fill, 12/pk	U171
473ml Boston round glass bottle, 400ml fill, 12/pk	U242
1L polycarbonate bottle, 1L fill, 10/pk	U67

**Tryptic Soy Broth
with Lecithin and
Tween® 80, Cat.
no. U229**



Tryptic Soy Broth with Lecithin and Tween® 20

For the cultivation of microorganisms.

180ml glass wide mouth jar, 90ml fill, USP, 12/pk	U241
180ml polycarbonate wide mouth jar, 100ml fill, 12/pk	U261

Tryptic Soy Broth with Lecithin and Tween® 80

For the cultivation of microorganisms.

500ml polypropylene bottle, 500ml fill, 10/pk	U229
--	------

Bottle Media with Septum

Fluid A, USP

A rinsing and diluting fluid.

100ml glass bottle, 100ml fill, 20/pk U109

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

Fluid K, USP

A rinsing and diluting fluid.

600ml glass bottle, 300ml fill, 10/pk U348

1L polypropylene bottle, 1L fill, 10/pk U206

Fluid Thioglycollate Broth with Indicator, USP

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms in normally sterile materials..

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 (SabDex) 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.

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 Lecithin and Tween® 80

For the cultivation of microorganisms.

20ml glass bottle, 10ml fill, 50/pk U423

600ml glass bottle, 300ml fill, 10/pk U425

See our online catalog for all available formats.



READYRACK™

A convenient way to bring media into a controlled area.

80 tube ReadyRack™

Convenient hand-holds



Holes in the bottom of the rack allow for sterilant to drain

No cardboard for low particle counts



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 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

Other tube formats and fill volumes are available upon request.
800.266.2222

Sales@HardyDiagnostics.com



For aseptic process simulation and media fill challenge

- Two ports: needle port and spike port
- Terminally autoclaved
- Quality tested to USP <71> standards for growth promotion, pH and sterility
- Manufactured in an ISO 13485 Facility
- Hang notch on the top of the Media Bag™ allows the technician to hang the bag

Tryptic Soy Broth

700ml fill, 5/pk

HVB5



Needle Port

Spike Port



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	C8710
500gm wide-mouth bottle, each	C8711
2kg bucket, each	C8712
10kg bucket, each	C8713

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

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) 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

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

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
-------------------------------	-------



QC Microorganisms



Accuracy and traceability have never been easier or more affordable.

EZ-Accu Shot™ Select includes six compendial microorganism strains for Growth Promotion Testing in one convenient package.

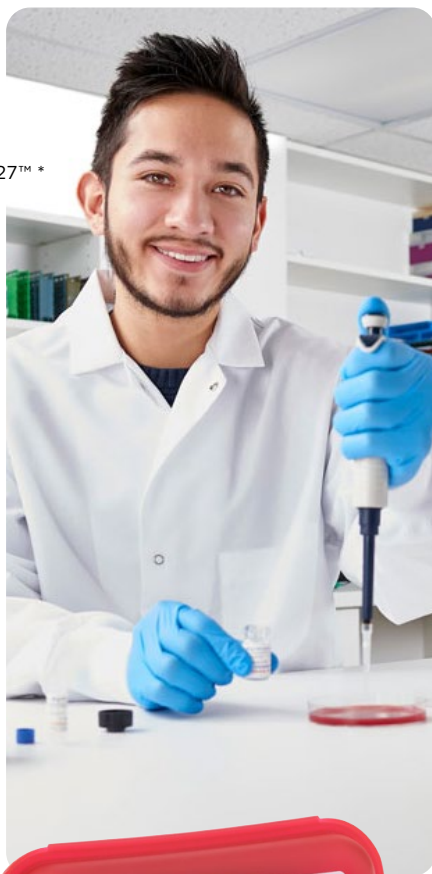
EZ-Accu Shot™ Select lyophilized microorganism preparations are designed to deliver less than 100 CFU per 0.1ml of hydrated suspension as recommended by the USP/JP/Ph. Eur. With little to no preparation time required and up to eight hours of stability, EZ-Accu Shot™ Select adds efficiency and flexibility 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 spizizenii* derived from ATCC® 6633™ *
 - Candida albicans* derived from ATCC® 10231™ *
 - Pseudomonas paraeruginosa* 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

<i>Aspergillus brasiliensis</i> derived from ATCC® 16404™ *	0392A
<i>Bacillus spizizenii</i> derived from ATCC® 6633™ *	0486A
<i>Burkholderia cenocepacia</i> derived from ATCC® BAA-245™ *	01269A
<i>Burkholderia cepacia</i> derived from ATCC® 25416™ *	0488A
<i>Candida albicans</i> derived from ATCC® 10231™ *	0443A
<i>Clostridium sporogenes</i> derived from ATCC® 11437™ *	0487A
ATCC® 19404™ *	0317A
<i>Escherichia coli</i> derived from ATCC® 8739™ *	0483A
<i>Pseudomonas paraeruginosa</i> derived from ATCC® 9027™ *	0484A
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium derived from ATCC® 13311™ *	0421A
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium derived from ATCC® 14028™ *	0363A
<i>Staphylococcus aureus</i> derived from ATCC® 6538™ *	0485A



ATCC Licensed Derivative

Look for the ATCC Licensed Derivative Emblem for all products derived from ATCC® cultures. The ATCC Licensed Derivative Emblem, the ATCC Licenses Derivative Work Mark, and the ATCC Catalog Marks are trademarks of ATCC. Microbiologics, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures.



Multiple Application Enumerated Challenges

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

Epowers™ 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 spizizenii derived from ATCC® 6633™*,
1.0-9.9E+03 CFU per pellet 0486E3

Bacillus spizizenii derived from ATCC® 6633™*,
1.0-9.9E+04 CFU per pellet 0486E4

Bacillus spizizenii derived from ATCC® 6633™*,
1.0-9.9E+06 CFU per pellet 0486E6

Burkholderia multivorans derived from ATCC® BAA-247™*,
1.0-9.9E+07 CFU per pellet 01270E7

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

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

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

Pseudomonas paraeruginosa derived from ATCC® 9027™*,
1.0-9.9E+07 CFU per pellet 0484E7

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 10⁷ CFU per pellet 0421E7

Staphylococcus aureus subsp. *aureus* derived from ATCC® 6538™*,
1.0-9.9E+03 CFU per pellet 0485E3

Staphylococcus aureus subsp. *aureus* derived from ATCC® 6538™*,
1.0 to 9.9 x 10⁷ CFU per pellet 0485E7



Look for the ATCC Licensed Derivative Emblem for all products derived from ATCC® cultures. The ATCC Licensed Derivative Emblem, the ATCC Licenses Derivative Work Mark, and the ATCC Catalog Marks are trademarks of ATCC. Microbiology, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures.

Preservative Efficacy Testing

EZ·PEC™

Antimicrobial Effectiveness and Preservative Efficacy Testing

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 1.0x10⁵ to 1.0x10⁶ 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)

<i>Aspergillus brasiliensis</i> derived from ATCC® 16404™*	0392PEC
<i>Bacillus spizizenii</i> derived from ATCC® 6633™*	0486PEC
<i>Candida albicans</i> derived from ATCC® 10231™*	0443PEC
<i>Escherichia coli</i> derived from ATCC® 8739™*	0483PEC
<i>Burkholderia cepacia</i> derived from ATCC® 25416™	0488PEC
<i>Pseudomonas paraeruginosa</i> derived from ATCC® 9027™*	0484PEC
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> derived from ATCC® 6538™*	0485PEC

ATCC Licensed
Derivative

*Look for the ATCC Licensed Derivative® Emblem for all products derived from ATCC® cultures. The ATCC Licensed Derivative Emblem, the ATCC Licenses Derivative Work Mark, and the ATCC Catalog Marks are trademarks of ATCC. Microbiologics, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures.

Enumerated Mycoplasma

Positive controls for *Mycoplasma* media.

Microbiologics®

Enumerated *Mycoplasma* simplifies compliance with USP <63> / Ph. Eur. 2.6.7 by eliminating the need for manual enumeration. Ready for immediate plating, Enumerated *Mycoplasma* can quickly confirm the ability of agar or broth growth media to support the growth and detection of *Mycoplasma* organisms that may be present in the test inoculum.

- Ready-to-use format saves time and money
- Eliminates the 48 hours to 4 weeks of wait time prior to plating
- Delivers 10,000 - 99,000 CFU/ml (E4)
- Strains are less than or equal to fifteen passages from reference culture to comply with USP <63>/Ph. Eur. 2.6.7
- Traceability to reference cultures ensures authenticity
- Online Certificate of Analysis provides detailed strain information
- Technical Support experts available for guidance
- Shipped frozen on dry ice
- Stored in a -80°C freezer
- Product warranty

<i>Acholeplasma laidlawii</i> derived from NCTC 10116	01156ME4
<i>Mycoplasma fermentans</i> derived from NCTC 10117	01176ME4
<i>Mycoplasma gallisepticum</i> derived from NCTC 10115	01155ME4
<i>Mycoplasma hyorhinis</i> derived from NCTC 10130	01178ME4
<i>Mycoplasma orale</i> derived from NCTC 10112	01158ME4
<i>Mycoplasma pneumoniae</i> derived from NCTC 10119	01177ME4

Microbiologics® Custom Solutions

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!

Cryogenic Vials



Colored cap inserts available on our online catalog!



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

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 AN101C
 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

Anaerobic Jar,
 Each 16000



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

30/case

Medium	NEGU6073M
Large	NEGU6073L
XLarge	NEGU6073XL

**FREE
SAMPLES
AVAILABLE**



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.

10x100/box

Extra Small	PCS770
Small	PCS772
Medium	PCS775
Large	PCS776
Extra Large	PCS778



HARDY DIAGNOSTICS

A Culture of Service™

40 MORE THAN  Years of
Bringing You
A Culture of Service

 **100%**
Employee Owned

**MADE IN
USA**

ESTABLISHED
1980

 Hardy Diagnostics
donates 1% of each
sale to charity.

 **bsi**
ISO
13485
Medical Devices
Quality
Management
FM 572526

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

Headquarters

1430 West McCoy Lane
Santa Maria, CA 93455
800.266.2222
Sales@HardyDiagnostics.com
HardyDiagnostics.com

Distribution Centers

Santa Maria, California
Olympia, Washington
Salt Lake City, Utah
Phoenix, Arizona
Dallas, Texas
Springboro, Ohio
Lake City, Florida
Albany, New York
Raleigh, North Carolina