

FOOD MICROBIOLOGY



HARDY
DIAGNOSTICS
A Culture of Service™

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100%
Employee Owned



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Springboro, Ohio
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Albany, New York
Raleigh, North Carolina



FM 572526

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

Environmental Monitoring



Hardy Diagnostics offers a wide selection of quality products intended to help keep you up to date with regulatory compliance, ensure the efficacy of your cleaning protocol, and properly monitor your environment.

TRIO.BAS™ Impact Air Samplers introduced the newest generation of microbial air sampling. These ergonomically designed instruments combine precise air sampling with modern connectivity to help you properly assess the air quality of your laboratory and simplify your process.

MONO



Each kit includes:

TRIO.BAS™ MONO air sampler, induction battery charger and cable, aspirating head, cover head, hard shell carrying case, and calibration certificates.

| | |
|--------------------------------|-------------------------|
| 100 liters/min., contact plate | Cat. no. BAS200K |
| 100 liters/min., Petri plate | BAS201K |
| 200 liters/min., contact plate | BAS205K |
| 200 liters/min., Petri plate | BAS206K |

DUO



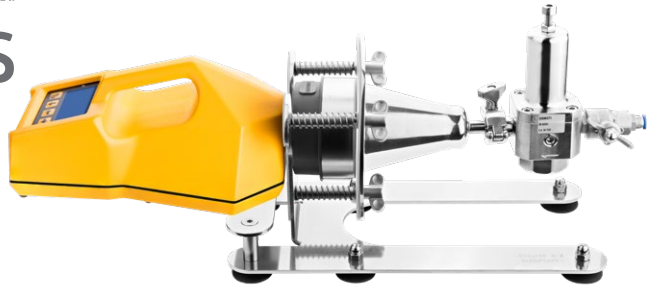
Each kit includes:

TRIO.BAS™ DUO air sampler, battery charger and cable, aspirating heads, cover heads, hard shell carrying case, and calibration certificates.

| | |
|--------------------------------|-------------------------|
| 100 liters/min., contact plate | Cat. no. BAS220K |
| 100 liters/min., Petri plate | BAS221K |
| 200 liters/min., contact plate | BAS225K |
| 200 liters/min., Petri plate | BAS226K |

TRIO.GAS

Designed to test the presence of microorganisms in compressed air or gas lines.



- Calibrated regulator guarantees 100 liters per minute flow rate
- Each component of the TRIO.GAS adapter instrument is autoclavable with no disassembly required
- Automated to end sample after programmed volume is reached (when used with MONO or MINI instrument)
- Signal lets operator know the sample is complete (with MONO or MINI instrument)
- Sampling data is retrievable for download via proprietary printer or dedicated software (MONO) or to record manually (MINI).
- No glass valves or meters to crack or break

TRIO.GAS System and Air Sampler Kit includes:

TRIO.GAS system (stainless steel electro-valve, gas connection, stainless steel fixing system for air sampler), TRIO.BAS unit (MINI or MONO), induction battery charger and cable, carrying case (for TRIO.GAS system), aspirating head, cover head, LIGHT carrying case (for TRIO.BAS unit), and two IQ, OQ, PQ fillable documents for the instrument and TRIO.GAS.



BAS651K

Cat. no.

BAS650K

BAS651K

BAS654K

BAS655K

TRIO.GAS System + MONO air sampler, 100 liters/min., contact plate

TRIO.GAS System + MONO air sampler, 100 liters/min., Petri plate

TRIO.GAS System + MINI air sampler, 100 liters/min., contact plate

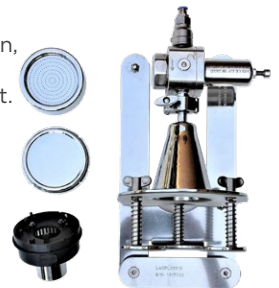
TRIO.GAS System + MINI air sampler, 100 liters/min., Petri plate

TRIO.GAS System Aspirating Chamber Kit includes:

TRIO.GAS system (stainless steel electro-valve, gas connection, stainless steel fixing system for air sampler), carrying case, aspirating head, cover head, and IQ, OQ, PQ fillable document. TRIO.BAS instrument (MONO or MINI) **NOT** included.

Important Note:

If **manually** timed samples and hand recorded sampling data is acceptable, the MINI or MONO instrument is not necessary. Purchase the GAS system BAS652K or BAS653K, which includes aspirating gas chambers. Choose kit based on preferred plate size.



BAS652K

BAS653K

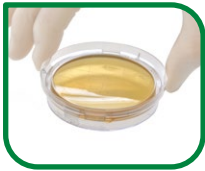
TRIO.GAS System Aspirating chamber kit, contact plate

TRIO.GAS System Aspirating chamber kit, Petri plate

Environmental Monitoring Surface Sampling

LOK TIGHT™

Contact Plates
for Surface
Sampling



| Contact Plate Media | Cat. no. |
|--|----------|
| Tryptic Soy Agar (TSA) - <i>Use with TRIO.GAS!</i> | P34 |
| Baird-Parker Agar | P16 |
| D/E Neutralizing Agar | P99 |
| Eosin Methylene Blue (EMB) | P09 |
| HardyCHROM™ ECC | P17 |
| Malt Extract Agar (MEA) | P80, P93 |
| Mannitol Salt Agar (MSA) | P98 |
| Potato Dextrose Agar (PDA) with Chlortetracycline | W93 |
| R2A Agar | P32 |
| Rose Bengal Agar with Chloramphenicol | P42 |
| SabDex (Sabouraud Dextrose) Agar - <i>Use with TRIO.BAS!</i> | P36 |
| Standard Methods Agar | U297 |



| EnviroTrans™ | Specifications | Cat. no. |
|-------------------------------------|--|-------------------------|
| EnviroTrans™ Neutralizing Buffer | 2ml, 20/bx 5ml, 20/bx | SRK20 SRK15 |
| EnviroTrans™ Lethen Broth | 5ml, 20/bx | SRK25 |
| EnviroTrans™ Saline, 0.85% | 0.5ml, 20/bx 2ml, 20/bx 5ml, 20/bx | SRK05 SRK30 SRK35 |
| EnviroTrans™ D/E Neutralizing Broth | 5ml, 20/bx | SRK45 |
| EnviroTrans™ Neutralizing Saline | 5ml, 20/bx | SRK55 |

These easy-to-use, AOAC-RI approved tests provide quick color change presumptive results for the most common *Listeria* and *Salmonella* spp. from the environment.

PDX-LIB *Listeria* (AOAC-RI)

Presumptive results available within 30 hours for the most common *Listeria* spp. (No sub-culturing or specimen transfers required). Light brown to black color formation indicates presence of *Listeria* spp. AOAC-RI approved.

ENVIROMAX™ swab are not included.

PDX-LIB Media, 25/case 2500325



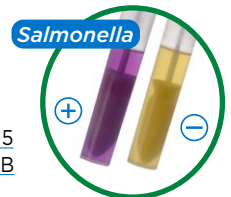
PDX-SIB *Salmonella* (AOAC)

Presumptive results available within 24-48 hours for the most common *Salmonella* spp. (No sub-culturing or specimen transfers required). Color shift from purple to yellow indicates presence of *Salmonella* spp. AOAC-RI approved.

ENVIROMAX™ swab not included.

PDX-SIB Media, 25/case 2600325

EnviroMax® Swab, 250/bx 2588050PFB



Environmental Monitoring Flock Floor Sampling



A collection system for monitoring *Salmonella* contamination in flock floor litter and other surfaces.

This one size fits all shoe cover is ready-to-use and pre-moistened with skim milk. This unique design allows for highly efficient sample collection, secure transport, pre-enrichment incubation, and disposal all in the same container! Simply remove the EnviroBootie™ from the sterile sample bag, place the boot swab over a plastic boot cover, then walk through the poultry barn. EnviroBootie™ can also be used as a sampling mitt for belts, feeders, and other recommended sampling surfaces.



Disposable Plastic Boot Cover

Over-the-shoe plastic disposable boots are easy to slip on and off, have handy tie closure and are made of strong 4mm polyethylene. Fits up to size 12.

50/bx

C14019WA

EnviroBootie™

2 pre-moistened (2X skim milk) boot swabs per bag (Twil-em™ bag),

50/pk (100 total count) EB50

1 pre-moistened (2X skim milk) boot swab per bag (Twil-em™ bag),

100/pk (100 total count) EB100

Environmental Monitoring Sampling Sponges

Solar-Cult® Sponge-Stick (with Neutralizing Buffer)

Solar-Cult® sterile cellulose sponge pre-moistened with Neutralizing Buffer, attached to a quick release handle, packaged in a sterile bag to make this an all-inclusive sampling system.

| | |
|----------------|----------|
| Specifications | Cat. no. |
| 100/bx | SH10NB1 |



Additional Sponges

Cat. no.

| | |
|--|----------------------|
| Sampling Sponge, Pre-moistened with Buffered Peptone Water | BS10BPW BS02BPW1 |
| Sample Sponge, Pre-moistened with Butterfield's Phosphate Buffer | BS10BPB1 BS02BPB1 |
| Sampling Sponge, Pre-moistened with DE Neutralizing Broth | BS10DE1 BS02DE1 |
| Sampling Sponge, Pre-moistened with Neutralizing Buffer | BS10NB1 BS02NB1 |
| Dry Speci-Sponge® in a (18oz) Whirl-Pak® Bag | B01245WA B01392WA |



B01392WA

SAMPLE PREP



BagMixer® 100 Minimix™ Blender

The smallest blender in the world! Digital screen and window door, easily control speed and time of blending and quickly obtain a ready-to-analyze sample, with no risk of cross-contamination.

| Specifications | Cat. no. |
|---|----------|
| Laboratory Paddle Blender (homogenizer, masticator), with window door, removable paddles. | 100WCC |

Whirl-Pak® Blender Bag

Plain sterile bag for use in all types of homogenizing blenders.

- Made from sturdy, blended polyethylene.

| Specifications | Cat. no. |
|---|----------|
| 19cm x 30cm, 3ml (.076mm) thick, 1,000/bx | B01420WA |
| 37.5cm x 50cm, 4ml (.102mm) thick, 250/bx | B01474WA |

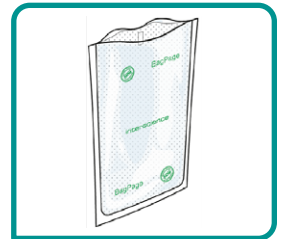


BagPage® Sterile Blender Filter Bags

BagPage® is a sterile blender bag equipped with a full-surface filter, perfect for the microbiological analysis of pasty samples. Made of Multilayer®, a reinforced multicoated complex, that is resistant for the homogenization of any sample to analyze.

- Sterile, approved for food contact
- Compatible with any blender

| Specifications | Cat. no. |
|-----------------------------------|----------|
| 19cm x 30cm, 400ml fill, 500/case | 122025 |





Our pre-filled Dilulok™ dilution vial is designed especially for the food, dairy, and water industries. Each lot is meticulously tested for pH, sterility, and fill volume. Designed and packaged to eliminate leaking.



Heavy duty

Vials are made of sturdy polypropylene with a leak-proof seal that holds up even during air transport.

Large Opening

A wide 45mm opening accommodates most sample sizes. Each vial is clearly marked with a 90ml and 99ml fill line.

One-Handed

Flip-top lid allows for easy one-handed opening and closing to make pipeting easier. Saves unnecessary motion! No awkward screw caps or plastic strips to tear off.

Variety

Available with peptone water, buffered peptone water, butterfield's buffer, deionized water, phosphate buffer with MgCl, and as an empty sterile container (Cat. no. 3538).

Leak-Proof

Re-engineered for an improved seal. Easy-to-remove, perforated, shrink wrap ensures product integrity.

| Dilu-Lok™ | | |
|---------------------------------|---|--------------|
| Product | Specifications | Cat. no. |
| Butterfield's Phosphate Buffer | 90ml fill, 50/pk 99ml fill, 50/pk | D590 D599 |
| Phosphate Buffer with MgCl | 90ml fill, 50/pk 99ml fill, 50/pk | D690 D699 |
| Peptone Water 0.1% (Irradiated) | 90ml fill, 50/pk 99ml fill, 50/pk | D290 D299 |
| Deionized Water | 90ml fill, 50/pk 99ml fill, 50/pk | D090 D099 |
| Buffered Peptone Water | 90ml fill, with 1% Tween® 20, 50/pk 90ml fill, 50/pk | D085 D080 |

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.



NEW



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*)
- Optional Footswitch, Cat. no. 40FS02

Diligent Shaker Light

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

40DGT84LT

Diligent Shaker Standard Version

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

40DGT84SD

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.

40DGT84PO



**ROOM
TEMPERATURE
STORAGE**

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

40DEM3

BPW (Buffered Peptone Water)

Buffered Peptone Water, dilution blank, 9ml fill, ready-to-use cups, 672 (2 x 16 x 21) total cups with 3 cups/row

40DEBP3

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

40DEN3

Dilushaker III for use with Dilucup® Elegance!

by LabRobot

This system reduces technician time, cost, and strain by automatically vortexing each diluent the same way, every time.

THE ORIGINAL



- 21 cup tray Dilushaker™ III.....**40DS21PRXT**
- Power Supply.....**40PS12**
- Optional Footswitch.....**40FS02**
- Transport suitcase for 2 Dilushakers.....**40TC1567**

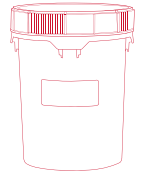
Dehydrated Culture Media

CRITERION[™] DEHYDRATED CULTURE MEDIA

Hardy Diagnostics' dehydrated culture media, CRITERION[™], is formulated to meet or exceed the highest quality standards. Choose from 250 standard formulas or request custom blending to your specifications. Innovative packaging designs and overall reliability make CRITERION[™] the logical choice for culture media in your laboratory.



Visit our catalog for a full product listing!



| Product | 2L Mylar Zip-Bag | 500gm Bottle | 2kg Bucket | 10kg Bucket |
|--------------------------------|------------------|--------------|------------|-------------|
| A-1 Medium | C7570 | C7571 | C7572 | C7573 |
| Brain Heart Infusion Agar | C5120 | C5121 | C5122 | C5123 |
| Brain Heart Infusion Broth | C5140 | C5141 | C5142 | C5143 |
| Brilliant Green Bile Broth | C5250 | C5251 | C5252 | C5253 |
| Buffered Peptone Water | C5320 | C5321 | C5322 | C5323 |
| Dextrose Tryptone Agar | C5630 | C5631 | C5632 | C5633 |
| EC Medium | C5690 | C5691 | C5692 | C5693 |
| EC Medium with MUG | C5680 | C5681 | C5682 | C5683 |
| EMB Agar, Levine | C5700 | C5701 | C5702 | C5703 |
| Half Fraser Broth Base | C8040 | C8041 | C8042 | C8043 |
| Hektoen Enteric (HE) Agar | C5840 | C5841 | C5842 | C5843 |
| Lactobacilli MRS Broth | C5930 | C5931 | C5932 | C5933 |
| Lactose Broth | C5940 | C5941 | C5942 | C5943 |
| Lauryl Tryptose Broth | C5980 | C5981 | C5982 | C5983 |
| Lauryl Tryptose Broth with MUG | C5990 | C5991 | C5992 | C5993 |
| Lethen Agar, Modified | C7900 | C7901 | C7902 | C7903 |
| Lethen Broth Modified | C7640 | C7641 | C7642 | C7643 |
| m Endo LES Agar | C7410 | C7411 | C7412 | C7413 |
| MacConkey Agar | C6130 | C6131 | C6132 | C6133 |
| MacConkey Agar w/Sorbitol | C6170 | C6171 | C6172 | C6173 |
| MacConkey Broth | C6140 | C6141 | C6142 | C6143 |

Dehydrated Culture Media

| Product | 2L Mylar Zip-Bag | 500gm Bottle | 2kg Bucket | 10kg Bucket |
|-------------------------------------|------------------|--------------|------------|-------------|
| Malt Extract Agar | C6200 | C6201 | C6202 | C6203 |
| Mueller Hinton Agar | C6420 | C6421 | C6422 | C6423 |
| Mueller Hinton Broth | C7520 | C7521 | C7522 | C7523 |
| MYP Agar Base | C7400 | C7401 | C7402 | C7403 |
| Neutralizing Buffered Peptone Water | C9240 | C9241 | C9242 | C9243 |
| Nutrient Agar | C6460 | C6461 | C6462 | C6463 |
| Orange Serum Agar | C7510 | C7511 | C7512 | C7513 |
| Potato Dextrose Agar (PDA) | C6620 | C6621 | C6622 | C6623 |
| Presence-Absence Broth | C6630 | C6631 | C6632 | C6633 |
| Rapp-Vass (MSRV) Med Base | C6740 | C6741 | C6742 | C6743 |
| Selenite Cystine Broth | C6920 | C6921 | C6922 | C6923 |
| Standard Methods Agar | C6980 | C6981 | C6982 | C6983 |
| Tetrathionate Broth Base 8 | C7060 | C7061 | C7062 | C7063 |
| Tryptic Soy Agar (TSA) | C7120 | C7121 | C7122 | C7123 |
| Tryptic Soy Broth (TSB) | C7140 | C7141 | C7142 | C7143 |
| Violet Red Bile Agar (VRBA) | C7260 | C7261 | C7262 | C7263 |
| Violet Red Bile Agar with MUG | C7250 | C7251 | C7252 | C7253 |
| W-L Nutrient Medium | C7300 | C7301 | C7302 | C7303 |
| XLD Agar | C7320 | C7321 | C7322 | C7323 |

Petri Plates

Hardy Diagnostics offers an extensive line of sterile Petri plates for all your media-making needs.

Contact us for a complete list.

15x100mm, with stacking ring,

520/case 3561

15x100mm, without stacking ring,

500/case 3301

15x100mm, with stacking ring,

20/bag 330120



Scoops (disposable)

These sterile sampling spoons come in four sizes and minimize potential personal contact with sampled material. Sterile, disposable, individually wrapped.

¼ Teaspoon, 200/pk 56925109

½ Teaspoon, 200/pk 56925131

1 Teaspoon, 200/pk 56925164

1 Tablespoon, 200/pk 56925197



Prepared Culture Media



Prepared Culture Media: Plates, bottles, and tubes

Since 1980, Hardy Diagnostics has grown to manufacture an extensive selection of prepared media products which are packaged in plates, tubes, bottles, bags, and flasks. Our products go through rigorous and extensive QC testing and lot specific Certificates of Analysis are available at HardyDiagnostics.com.

Custom Media

Need a specialized formulation, container, or package? Hardy Diagnostics is ready to assist you with your specific needs. Our Quality Management System is ISO 13485 certified and licensed by the FDA as an “In vitro Medical Device Manufacturer,” ensuring the highest standards of quality for our customers.

Please visit our website or contact your sales representative for full product description, all available fill options, and instructions for use.

Prepared Culture Media

| Product | Cat. no. (see website for complete descriptions) |
|---|--|
| Bacillus Cereus Selective Agar | G156 |
| Baird-Parker Agar | G96 |
| Bile Esculin Agar (BEA) | G12 |
| Blood Agar, 5% | A10 |
| Brain Heart Infusion (BHI) Agar | L35 |
| Brilliant Green Agar | G175, G75 |
| Brilliant Green Bile Broth | K66, K09 |
| Brucella Agar with H & K | A30 |
| Brucella Broth | R18 |
| Buffered Listeria Enrichment Broth (BLEB) Base, BAM Formulation | U233 |
| Buffered Listeria Enrichment Broth (BLEB) Selective Supplement | K183 |
| Buffered Peptone Water | U142, U143, K107, K195 |
| Butterfield Phosphate Buffer | U154, U150, U190, U290, U123, K119, K208, K109, K209 |
| Campy Cefex Agar, Modified | A122 |
| Campylobacter (CVA) Agar | A40 |
| CIN Agar | G20 |
| Columbia Blood Agar | A16, A16BX |
| Cooked Meat Medium | K219 |
| CT-SMAC for <i>E. coli</i> O157 | G129 |
| D/E Neutralizing Media | G224, K108, U76, U75, U168 |
| Dichloro Rose Bengal Chloram (DRBC) Agar | G389, W89 |
| EC Medium | K63 |
| EC Medium with MUG | K18 |
| Eosin Methylene Blue (EMB) Agar Levine | G25 |
| Fraser Broth Base | K98, U57 |
| Fluid Thioglycollate Medium, USP | K121, U43, U41, U207 |
| Hektoen Enteric (HE) Agar | G63, J415 |
| Inhibitory Mold Agar | W25, X20, L47, W27 |
| KIA Medium (Kligler Iron Agar) | L70, R70 |
| Lactobacilli MRS Agar | G117 |
| Lactose Broth | U145, U92, U146 |
| Lactose Broth with Durham Tube | K223 |
| Lauryl Tryptose Broth | K33, K61, K32 |

Prepared Culture Media

| Product | Cat. no. (see website for complete descriptions) |
|--|--|
| Listeria Enrichment Broth, Modified | U167 |
| Listeria Enrichment Broth | U93 |
| Lysine Iron Agar, Modified | G86 |
| MacConkey Agar | G35 |
| MacConkey Agar with MUG | G37 |
| Mannitol Yolk Polymyxin (MYP) Agar | G147 |
| Mannitol Salt Agar | G40 |
| MIO Medium Motility, Indole, Ornithine (MIO) | Q20, R24 |
| SHIBAM Agar | A146 |
| Motility Test Medium | Q10, Q11 |
| MR-VP Broth | K237, K37 |
| Neomycin Anaerobic Blood Agar | A62 |
| Neutralizing Buffered Peptone Water | U181, U183, K281 |
| Nitrate Broth | K42 |
| Nutrient Agar | W51, L20 |
| Orange Serum Agar | G181 |
| Oxford, Medium, Modified | G46 |
| PALCAM Medium | G149 |
| Phenol Red Broth with Dextrose | Y304 |
| Potato Dextrose Agar (PDA), USP | W60, H51, L90, Q29, U294 |
| Potato Dextrose Agar with TA | W96 |
| Rappaport-Vassiliadis (Broth), USP | K246 |
| Rose Bengal Agar with Chloramphenicol | W87 |
| SabDex (Sabouraud Dextrose) Agar | W20, H39, Q31, L40, U227, U352, U270, U353 |
| SabDex Agar with Lecithin and Tween 80 | W71, Q75, U175, U431 |
| Selenite Cystine Broth | K69 |
| SIM Medium | Q30 |
| Simmons Citrate Agar | L80 |
| Standard Methods Agar | G43, G44, U395, Q21, U95, U295 |
| Sterile Deionized Water | U85 |
| TCBS Agar | G55 |
| Tetrathionate Broth Base | K65, U165, Z129 |

Prepared Culture Media



| Product | Cat. no. (see website for complete descriptions) |
|--|--|
| Tetrathionate Broth with Brilliant Green | K164 |
| Tryptic Soy Agar (TSA) | G60, H19, G62, G41, U49, U361, U174, L60, Q58, Q13 |
| Tryptic Soy Broth (TSB) Media | U44, U42, U171, U65, U67, U225, U70, U80, U229, U134G, U223, U133, U205, U261, U241, U71, R36, R31, R41, R30, K131, K89, K88, K82, K83, K134 |
| Tryptone Glucose Extract Agar | G115 |
| Triple Sugar Iron (TSI) Agar | R32, L50 |
| Tween 80 | U11 |
| UVM Broth | U153, U51 |
| Violet Red Bile Agar | G78, U296 |
| Vogel and Johnson Agar | G193 |
| XLD Agar, USP | G65 |
| XLT4 Agar | G165 |
| Yeast and Mold Agar (YM) | G01 |

Chromogenic Media

HardyCHROM™ Chromogenic Culture Media

HardyCHROM™ ECC (*E. coli* and Coliforms)

A chromogenic medium recommended for the detection, differentiation, and enumeration of *Escherichia coli* and other coliforms in food, beverage, or water samples based on colony color. *E. coli* can be identified as pink to violet-colored colonies on the plate, while coliform bacteria will appear as turquoise colonies.

15x100mm plate,

10/pk G303

Contact plate, 15x100mm plate,

10/PK P17

HardyCHROM™ Listeria

A chromogenic medium recommended for the selective isolation, differentiation, and enumeration of *Listeria monocytogenes* from food and environmental samples. All *Listeria* species will produce turquoise colonies. *Listeria monocytogenes* and *Listeria ivanovii* will turn turquoise and have white opaque halos.

15x100mm plate,

10/pk G317

HardyCHROM™ O157

A selective and differential medium recommended for the isolation of *E. coli* O157 from food and environmental sources. Not intended for human diagnostic use. O157 provides an initial screen intended to isolate colonies for further testing. Confirm isolated purple-pink colonies with a latex agglutination test (cat. no. PLO70HD), antisera (cat. no. 295798), or other test methods for complete identification. Testing for the H7 antigen (cat. nos. 221591, 3ml or 295569, 5ml) or verotoxin testing may also be required.

15x100mm plate,

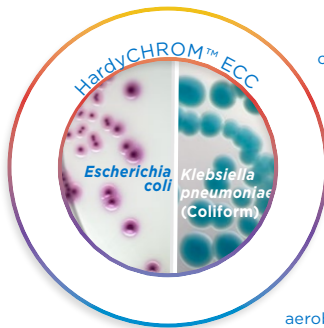
10/pk G305

HardyCHROM™ Sakazakii

A chromogenic medium recommended for the selective isolation and differentiation of *Cronobacter (Enterobacter) sakazakii* from other members of the *Enterobacteriaceae* family based on colony color. *Cronobacter sakazakii* produces smooth, turquoise colonies. Other members of the *Enterobacteriaceae* family will produce white or colorless colonies with or without black centers. Most Gram-positive bacteria and yeast will be inhibited on this medium.

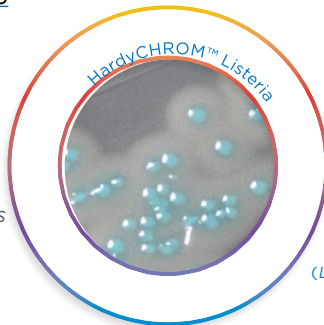
15x100mm plate,

10/pk G315

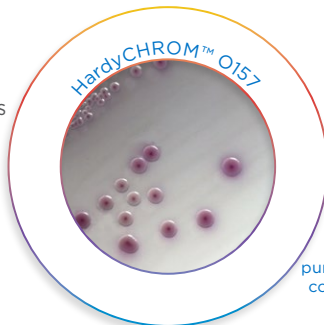


Escherichia coli (ATCC 25922) colonies growing on HardyCHROM™ ECC incubated aerobically for 24 hours at 35 °C.

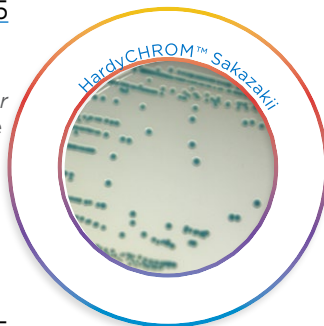
Klebsiella pneumoniae (ATCC 13883) colonies growing on HardyCHROM™ ECC incubated aerobically for 24 hours at 35 °C. Typical of all coliforms.



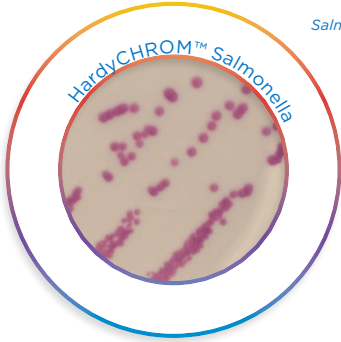
Listeria monocytogenes (ATCC 15313) colonies growing on HardyCHROM™ Listeria showing the white halo surrounding the colonies. (*Listeria ivanovii* will appear the same.)



E. coli O157 (ATCC 35150) produces smooth purple-pink to mauve colonies at 24 hours.



Cronobacter sakazakii (ATCC 29004) colonies growing on HardyCHROM™ Sakazakii incubated aerobically for 24 hours at 35 °C.

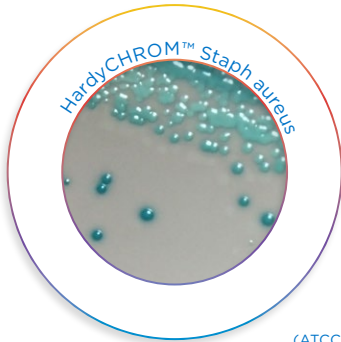


Salmonella enterica growing on HardyCHROM™ Salmonella™, Cat. no. J37.

HardyCHROM™ Salmonella

A chromogenic medium recommended for the selective isolation and differentiation of *Salmonella* spp. from other members of the *Enterobacteriaceae* family based on colony color. Selective agents inhibit the growth of Gram-positive organisms. *Salmonella* species will produce deep magenta-colored colonies. Bacteria other than *Salmonella* spp. may produce blue or clear colonies.

15x100mm plate, 10/pk G309
 HardyCHROM™ Salmonella/XLT-4 Agar Biplate
15x100mm, 10/pk J37

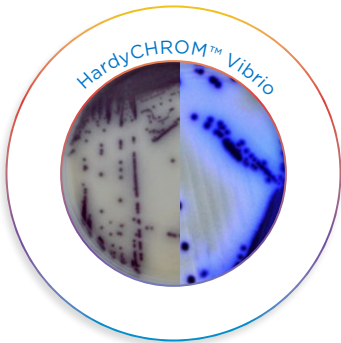


Staphylococcus saprophyticus (ATCC™ 15305) colonies incubated aerobically for 24 hours at 35 °C.

HardyCHROM™ Staph aureus

A chromogenic media for the isolation, differentiation, and reliable detection of *Staphylococcus aureus*. *Staphylococcus aureus* can be identified as smooth, pink-colored colonies on the plate. Other organisms may appear as colorless, blue, turquoise, or cream colonies, or will be inhibited. *Staphylococcus epidermidis* will be inhibited, partially to completely.

15x100mm plate, 10/pk G311



Vibrio cholerae (does not fluoresce) *Vibrio vulnificus* (fluoresces)

HardyCHROM™ Vibrio

A selective and differential screening media recommended for the isolation of pathogenic *Vibrio* spp. from food and environmental sources. HardyCHROM™ Vibrio was developed as a medium for differentiating *Vibrio cholerae*, *Vibrio parahaemolyticus*, and *Vibrio vulnificus* from other *Vibrios* based on colony color. The shellfish pathogen *Vibrio parahaemolyticus* is differentiated from other *Vibrios* such as *Vibrio alginolyticus* by its teal coloration. The deadly pathogens *Vibrio cholerae* and *Vibrio vulnificus* are differentiated from other *Vibrios* by their magenta coloration, and from each other by the fluorescence of *Vibrio vulnificus* under UV light.

15x100mm plate, 10/pk G319
 HardyCHROM™ Vibrio, CRITERION™
 Dehydrated Culture Media,
500gm wide-mouth bottle C9011

**Also available in Dehydrated Culture Media (Cat. nos. C9010, C9011, C9012, C9013)*

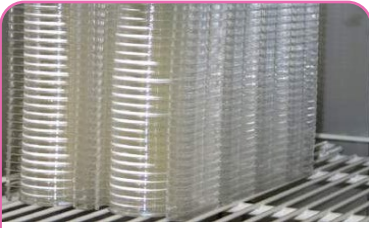
Self-Diffusing Media.
1ml Sample diffuses
automatically
and evenly.
No need for
spreader!



Easy read out of results.
Colonies are preserved
and easy to pick for
subculture.



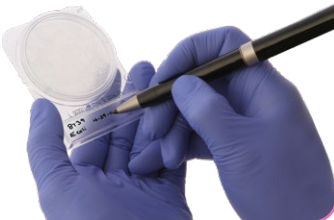
Stackable and space saving.



Easy to handle and pick up.
Rigid plastic frame with easy
opening and removable lid.

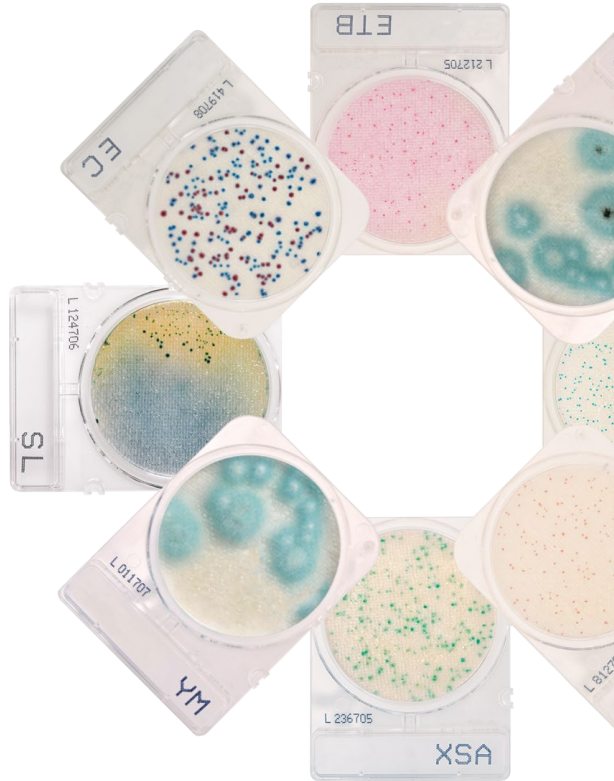


Convenient labeling area.



There is always a better way.

CompactDry™ is a ready to use system reducing the time needed to perform microbial colony counting on food, beverage, meat, cosmetics, and raw materials. Place 1ml of sample onto the CompactDry™ plate and incubate. Colonies grow and develop specific colors due to chromogenic substrates, providing for easy organism differentiation and counting.



Room Temperature Storage

| CompactDry™ Product | Description | Cat. no. |
|--------------------------------------|---|----------------|
| TC (Total Count) | For total viable bacterial count. Colonies appear red. 240/pk | 54081 |
| EC (<i>E. coli</i> and Coliforms) | Contains two kinds of chromogenic substrates: Coliforms turn red. <i>E. coli</i> turns blue. 240/pk | 54082 |
| YM/YMR (Yeast and Mold) | Yeasts and mold can be differentiated by color. Molds form colonies with a blueish color. 240/pk | 54083 54084 |
| ETB (Enterobacteriaceae) | For the isolation and quantification of <i>Enterobacteriaceae</i> that will appear magenta in color. Genera of <i>Enterobacteriaceae</i> consists of: <i>Citrobacter</i> , <i>Enterobacter</i> , <i>Escherichia</i> , <i>Klebsiella</i> , <i>Morganella</i> , <i>Proteus</i> , <i>Salmonella</i> , <i>Serratia</i> , <i>Shigella</i> , <i>Yersinia</i> and more. 100/pk | ETB100 |
| XSA (<i>Staphylococcus aureus</i>) | For the selective growth and differentiation of <i>Staphylococcus aureus</i> . Its growth results in blue green colonies. 240/pk | 54086 |
| LS (Listeria) | For the selective growth, presumptive identification, and enumeration of <i>Listeria</i> spp. 100/pk | LS100 |
| SL (<i>Salmonella</i>) | Determines the presumptive identification and enumeration of <i>Salmonella</i> spp. Colonies of <i>Salmonella</i> will turn green or blue-green with or without black centers due to the presence of chromogenic substances. 240/pk | 54085 |

Incubation Temperature & Time

| CompactDry™ Product | | Incubation Temperature | Incubation Time |
|------------------------------|---|------------------------|-----------------|
| Total Count | ✓ | 35 °C | 44-48 hrs. |
| <i>E. coli</i> & Coliforms | ✓ | 35 °C | 20-24 hrs. |
| Yeast and Mold | ✓ | 25 °C | 3-5 days |
| Yeast and Mold Rapid | ✓ | 25 °C | 48 hrs. |
| <i>Enterobacteriaceae</i> | ✓ | 35-37 °C | 24 hrs. |
| <i>Staphylococcus aureus</i> | ✓ | 35 °C | 24 hrs. |
| <i>Listeria</i> | | 35-37 °C | 24-28 hrs. |
| <i>Salmonella</i> | | 41-43 °C | 20-24 hrs. |

✓ = AOAC approved





The Wizard™ CompactDry™ Reader accurately counts up to 300 colonies per plate automatically. The small footprint of the unit saves space on your lab's bench-top.

Easy-to-use: Flip the switch, select your configuration, insert your CompactDry™ plate(s), select read, and save your results!

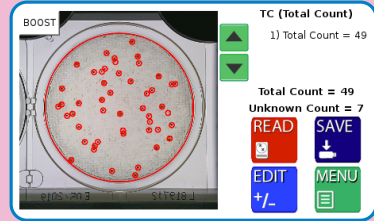
Cat no. CDR2

FEATURES & BENEFITS

- Automatic colony differentiation
- Reads plates in seconds
- Self-contained unit, no PC required
- Data easily exports to LIMS system
- Accurately reads up to 300 colonies per plate
- Auto-focusing 5 mega pixel scanning camera
- Color touch screen
- Save results to USB drive as CSV file or print out results
- Easily update software via USB
- USB ports for saving images, attaching printer, scanner, and wireless keyboard

CONSISTENCY WHERE IT COUNTS

The Wizard™ brings precise colony counts to each and every set of plates, eliminating the risk of human error and inconsistency.



YOUR COLONY COUNT IN SECONDS

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

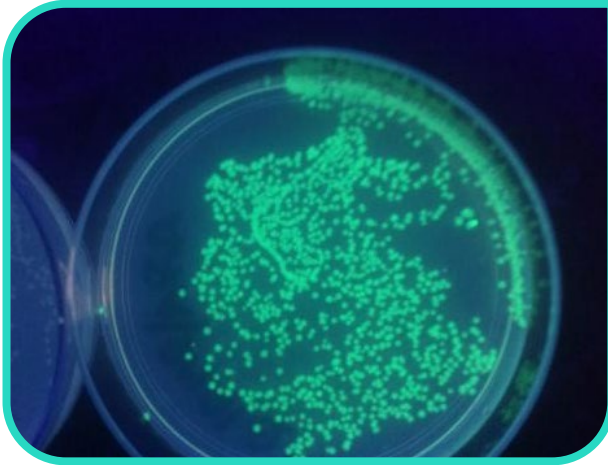
SIMPLE IMPLEMENTATION

Easy-to-understand instructions make for simple Standard Operating Procedures, allowing you to easily 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.

Quality Control Organism



UV-BioTAG

UV-BioTAG™ microorganisms contain a Green Fluorescent Protein (GFP) marker integrated into the chromosome that produces fluorescence of the culture visible under UV light. This allows for easy differentiation of these control strains from contaminants. Available in swab and vial formats,

UV-BioTAG is an easy-to-use solution for quality control in food labs.

- Qualitative product features instant-dissolve pellet to reduce preparation time
- GFP reporter is integrated into the chromosome to provide superior stability
- Assists labs with investigations of positive test results with quick and reliable differentiation of control strains
- Thoroughly tested to ensure authenticity, stability and compatibility with detection technologies

| Cat. no. | Description |
|-----------|--|
| 01227UV-S | <i>Escherichia coli</i> (O157:H7) EC43 derived from FDA ESC1177(STEC) |
| 01226UV-S | <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Senftenberg Sal59 derived from FDA SAL5697 |
| 01226UV-V | <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Senftenberg Sal59 derived from FDA SAL5697 |
| 01223UV-S | <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium Sal54 derived from FDA SAL5694 |
| 01223UV-V | <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium Sal54 derived from FDA SAL5694 |
| 01224UV-S | <i>Shigella flexneri</i> SF84 derived from FDA SHI0552 |
| 01224UV-V | <i>Shigella flexneri</i> SF84 derived from FDA SHI0552 |

Membrane Filtration



Sartorius Microsart®

A system that enables you to select the optimal hardware and consumables for your needs in microbiological analysis or particle count in quality assurance. Microsart® features a modular design and offers field-proven standard accessories to make your choice easier. At the heart of the Combisart® system is a stainless steel manifold designed to accommodate all types of filter holders and funnels.

Contact us for our complete Membrane Filtration Catalog!

| Media for Membrane Filtration | Cat. no. |
|--|----------|
| Barney Miller Medium | G93 |
| <i>Lactobacilli</i> MRS Agar | G197 |
| <i>Lactobacilli</i> MRS with Cyclohexamide | G179 |
| mEI Agar | G124 |
| m Endo LES Agar | G128 |
| m FC with 1% Rosolic Acid | G126 |
| m HPC Agar | G95 |
| m PA Agar | G133 |
| Modified m TEC Agar | G106 |
| Nutrient Agar with MUG | G114 |
| Orange Serum Agar | G91 |
| Potato Dextrose Agar with TA | G94 |
| Pseudomonas Isolation | G145 |
| R2A Agar | G03 |
| Sabdex Agar with G & C | G159 |
| Skim Milk Agar | G138 |
| Tryptic Soy Agar Plate | G151 |
| WL Differential Medium | G163 |
| XLT-4 Agar | G277 |

Rapid Tests



| Product | Cat. no. |
|--|--------------|
| Bacillus-ID, Identification Panel, Microgen® | MID66 |
| Coagulase Plasma | Z003, Z020 |
| EcoliPRO™ O157 Latex Kit | PL070HD |
| Listeria Identification Panel, Microgen® | MID67, MID60 |
| Legionella Latex | M45 |
| Listeria Latex | F48 |
| Salmonella Elisa Test Kit | CHB0081 |
| StaphTex™ Blue (for <i>Staphylococcus aureus</i>) | ST50, ST200 |



Lab Supplies

Nasco **WHIRL-PAK** Nasco



Whirl-pak™ bag, 24oz.
B01297WA



SureTight™ Sterile
sample cup
243810

Nitrile Gloves
PCS772



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stock your laboratory!
Please visit our website
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Whirl-pak™
stand-up bag, 18oz
B01365WA

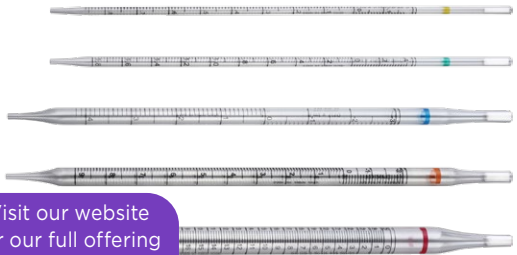
AloeSafe™ hand sanitizer



Flip-Lok™ empty,
sterile vials
3538



Alpet D2 surface
sanitizer/disinfectant



Visit our website
for our full offering
of pipettes.

A large rectangular area with rounded corners, outlined in black, containing 20 horizontal lines for writing notes. The lines are evenly spaced and extend across the width of the page.

A large rectangular area with rounded corners, containing 20 horizontal lines for writing notes. The lines are evenly spaced and extend across the width of the page.



HardyDiagnostics.com
800.266.2222
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Santa Maria, CA