

# VETERINARY

## Microbiology



**HARDY**  
DIAGNOSTICS

A Culture of Service™

# VETERINARY

## Microbiology

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# Anaerobic Culture Media

## Anaerobic Indicator with Resazurin

A sensitive resazurin indicator of anaerobic conditions. Color changes from pink to white. More sensitive than methylene blue indicators.  
100 strips/bx BR55

## Anaerobic Phenylethyl Alcohol Agar (PEA)

For the isolation of anaerobic bacteria. CDC formula with phenylethanol, 5% sheep blood, hemin, and vitamin K.  
15x100mm plate, 20/bx A90

## AnaeroGen™ Compact System

For the rapid generation of an anaerobic environment to cultivate anaerobic microorganisms. Suitable for incubation of up to four plates.  
20/pk AN020C

## AnaeroGen™ 2.5 Liter Sachets

For the rapid generation of an anaerobic environment necessary to cultivate anaerobic microorganisms for use with 2.5L jars.  
10/pk AN25US

## AnaeroGRO™ MultiPak A, Brucella w/H&K (Hemin and Vitamin K) plate, PEA (Phenylethyl Alcohol Agar) plate, & BBE/ LKV (Bacteroides Bile Esculin/ Laked Blood with Kanamycin and Vancomycin) Pre-reduced Media

Three 15x100mm biplates AG303

## AnaeroGRO™ MultiPak B, Brucella w/H&K (Hemin and Vitamin K) plate, LVK (Laked Blood with Kanamycin and Vancomycin) plate, & PEA (Phenylethyl Alcohol Agar) plate, Pre-reduced Media

Three 15x100mm biplates AG313

## Brucella Blood Agar with Hemin and Vitamin K

A non-inhibitory general growth medium for all Gram-positive and Gram-negative anaerobic bacteria.  
15x100mm plate, 10/pk A30

## LKV Agar (Laked Blood with Kanamycin and Vancomycin)

For the selective isolation of Gram-negative anaerobic bacteria, especially *Bacteroides* spp.  
15x100mm plate, 10/pk A60

## Neomycin Anaerobic Blood Agar

For the selective isolation of fastidious anaerobic bacteria.  
15x100mm plate, 10/pk A62

## Thioglycollate

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms.  
With H and K, 5ml, 16x100mm tube, 20/pk K22  
With H and K, 10ml, 16x125mm tube, 20/pk K24  
With Indicator, 10ml, 16x125mm tube, 20/pk K21  
Without Indicator, 10ml, 16x125mm tube, 20/pk K29  
With Supplements, 15ml, 20x125mm tube, 20/pk K28  
With Supplements, 10ml, 16x125mm tube, 20/pk K23



# General Culture Media

## BHI Agar Plate, Deep Fill

For the cultivation and isolation of a variety of microorganisms, including bacteria, yeasts, and molds.

15x100mm plate, 10/pk W15

## Bile Esculin Agar (BEA)

For the detection of group D streptococci/enterococci.

15x100mm plate, 10/pk G12

## Blood Agar Plate, TSA with 5% Sheep Blood

For use as general purpose growth media for the isolation, cultivation, and differentiation of a wide variety of microorganisms.

15x100mm plate, 10/pk A10

15x100mm plate, 100/bx A10BX

15x150mm plate, 10/pk H28

## Butterfield's Phosphate Buffer

For the preparation of dilutions for plate count and other laboratory tests.

500ml bottle, 10/pk U190

## Cetrimide Selective Agar, USP

For the selective isolation of *Pseudomonas aeruginosa*.

15x100mm plate, 10/pk G18

## Chocolate Agar

For use in the isolation and cultivation of fastidious microorganisms, particularly *Haemophilus* and *Neisseria* species.

15x100mm plate, 10/pk E14

15x100mm plate, 100/bx E14BX

15x150mm plate, 100/bx H25

## Columbia Blood Agar, with 5% Sheep Blood

For the cultivation of non-fastidious and fastidious microorganisms.

15x100mm plate, 10/pk A16

15x100mm plate, 100/bx A16BX

## Columbia CNA Agar with 5% Sheeps Blood

For the selective isolation and differentiation of Gram-positive cocci.

15x100mm plate, 10/pk A50

15x100mm plate, 100/bx A50BX

## CTA (Cystine Tryptic Agar) Media

For the determination of carbohydrate fermentation by fastidious organisms.

With Lactose, 13x100mm tube, 3ml deep, 20/pk Y13

With Mannitol, 13x100mm tube, 3ml deep, 20/pk Y15

With Sorbitol, 13x100mm tube, 3ml deep, 20/pk Y17

With Trehalose 13x100mm tube, 3ml deep, 20/pk Y20

With Salicin, 13x100mm tube, 3ml deep, 20/pk Y24

## MacConkey Agar, USP

For the isolation of Gram-negative bacilli on the basis of lactose fermentation.

15x100mm plate, 10/pk G35

15x100mm plate, 100/bx G35BX



Blood Agar Plate, TSA with 5% Sheep Blood, Cat. no. A10

**Malt Extract Agar with Chloramphenicol**

For the cultivation, isolation, and maintenance of yeasts and molds.  
15x100mm plate, 10/pk W80

**Mannitol Salt Agar (MSA), USP**

For the selective isolation and differentiation of *Staphylococcus* spp. based on high salt content and mannitol fermentation.  
15x100mm plate, 10/pk G40

**Middlebrook 7H9 Broth**

For use in the cultivation of *Mycobacterium* spp.  
16x125mm tube, 20/pk C32

**Middlebrook 7H10**

For use in qualitative procedures for the isolation and cultivation of *Mycobacterium* spp. Deep fill.  
15x100mm plate, 10/pk W30

**Middlebrook 7H11**

For use in the isolation and cultivation of *Mycobacterium* spp. Deep fill.  
15x100mm plate, 10/pk W35  
With CAPT antibiotics,  
15x100mm plate, 10/pk W40

**Moeller's Ornithine Decarboxylase Broth**

For the differentiation of Gram-negative enteric bacilli based on the decarboxylation reaction of amino acids.  
16x125mm tube, 20/pk Y44

**MR-VP Broth**

(Methyl Red and Voges-Proskauer)  
To aid in the identification of enteric Gram-negative bacilli.  
5ml, 13x100mm tube, 20/pk K37

**Rose Agar (CNA+PEA)**

For use as a selective growth medium for the cultivation and isolation of Gram-positive cocci from specimens which contain mixed flora.  
15x100mm plate, 10/pk A66

**Saline 0.85%**

Recommended for procedures that require the use of an isotonic diluent.  
2ml, 13x100mm, 20/pk R45  
5ml, 16x100mm, 20/pk K59

**Sabdex Agar Slant**

For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic species of fungi and yeasts.  
10ml, 20x125mm tube, 20/pk L40

**Selective Strep Agar (COBA Medium)**

For use in the primary isolation of all *Streptococcus* species, including streptococcal groups A (*S. pyogenes*), B (*S. agalactiae*), C, D, F, G, and *S. pneumoniae*, especially from respiratory specimens.  
15x100mm plate, 10/pk A70  
15x100mm plate, 10/pk A72

**Tergitol 7 Agar With TTC**

A selective and differential medium for enumeration of coliforms.  
15x100mm plate, 10/pk G58



Tergitol 7 Agar With TTC,  
Cat. no. G58



### **Tryptic Soy Broth (TSB), USP**

For use as a general purpose medium for the isolation and cultivation of a wide variety of bacteria and fungi. Visit [HardyDiagnostics.com](http://HardyDiagnostics.com) for more available sizes.

|  |       |
|--|-------|
| 10ml, 16x125mm tube, 20/pk                       | K82   |
| 10ml, 16x125mm tube, 80/pk, ReadyRack™           | K82BX |
| With 6.5% Sodium Chloride, 13x100mm tube, 20/pk, | K126  |
| 20ml fill, serum vial, 50/pk                     | U38   |
| 100ml fill, serum vial, 10/pk                    | U46   |
| 1L fill, 1L bottle, 10/pk                        | U67   |

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

For use as a general growth medium for establishing microbiological trends, alerts, and activity levels in biologically controlled environments.

|                       |     |
|-----------------------|-----|
| 15x100mm plate, 10/pk | G41 |
|-----------------------|-----|

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

For use as a non-selective, general growth medium for the cultivation of microorganisms (bacteria, yeast, and fungi).

|                       |     |
|-----------------------|-----|
| 15x100mm plate, 10/pk | G60 |
|-----------------------|-----|

### **Urea Agar Slant**

For the detection of urea hydrolysis in Gram-negative microorganisms.

|                             |     |
|-----------------------------|-----|
| Slant, 13x100mm tube, 20/pk | R42 |
|-----------------------------|-----|

### **Vogel and Johnson Agar**

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

|                       |      |
|-----------------------|------|
| 15x100mm plate, 10/pk | G193 |
|-----------------------|------|

## **Cryogenic Media**

### **CryoSavers™, Brucella Broth with 10% Glycerol, Cryovial**

For the preservation of microorganisms by freezing.

|                                 |          |
|---------------------------------|----------|
| 1.5ml, no beads, 100/bx         | CS100BNB |
| 1.0 - 1.4ml, with beads, 100/bx | CS100B   |
| 1.5ml, no beads, 81/bx          | CS81BNB  |
| 1.0 - 1.4ml, with beads, 81/bx  | CS81B    |

### **CryoSavers™ Glycerol 30%, Cryovial**

For the preservation of microorganisms by freezing.

|              |      |
|--------------|------|
| 0.5ml, 81/bx | CG89 |
|--------------|------|

### **CryoSavers™ Skim Milk with Glycerol, Cryovial**

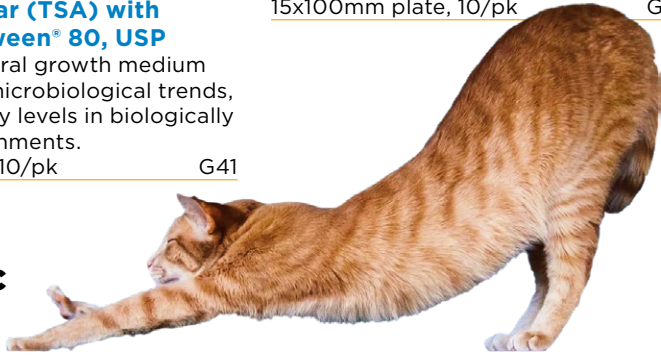
For the preservation of microorganisms by freezing.

|                                       |         |
|---------------------------------------|---------|
| Modified, 1.3-1.7ml, no beads, 100/bx | CSMG101 |
| 1.3-1.7ml, no beads, 100/bx           | CSM100  |

### **Tryptic Soy Broth with 15% Glycerol, Cryovial**

For the preservation of microorganisms by freezing.

|             |     |
|-------------|-----|
| 2ml, 100/bx | DO9 |
|-------------|-----|



CryoSavers™, Brucella Broth with 10% Glycerol and Beads, Cat. no. CS100B

# Dehydrated Culture Media

## Brain Heart Infusion Agar

For the cultivation and isolation of a variety of fastidious and nonfastidious microorganisms, including bacteria, yeasts, and mold.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C5120 |
| 500gm bottle   | C5121 |
| 2kg bucket     | C5122 |
| 10kg bucket    | C5123 |

## MacConkey Agar

For the isolation of Gram-negative bacilli (including coliform organisms and enteric pathogens), on the basis of lactose fermentation.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C6130 |
| 500gm bottle   | C6131 |
| 2kg bucket     | C6132 |
| 10kg bucket    | C6133 |

## Potato Dextrose Agar (PDA)

For the cultivation and identification of fungi.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C6620 |
| 500gm bottle   | C6621 |
| 2kg bucket     | C6622 |
| 10kg bucket    | C6623 |

## Sabouraud Dextrose (SabDex) Agar

For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic species of fungi and yeasts.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C6810 |
| 500gm bottle   | C6811 |
| 2kg bucket     | C6812 |
| 10kg bucket    | C6813 |

## Thioglycollate Medium without Indicator

For the cultivation of aerobic, microaerophilic, and anaerobic microorganisms.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C7080 |
| 500gm bottle   | C7081 |
| 2kg bucket     | C7082 |
| 10kg bucket    | C7083 |

## Todd Hewitt Broth

For the production of antigenic streptococcal hemolysin and the cultivation of streptococci prior to serological grouping.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C7090 |
| 500gm bottle   | C7091 |
| 2kg bucket     | C7092 |
| 10kg bucket    | C7093 |

## Tryptic Soy Agar, Blood Base

For isolation of fastidious microorganisms when hemolytic reactions are important.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C5220 |
| 500gm bottle   | C5221 |
| 2kg bucket     | C5222 |
| 10kg bucket    | C5223 |

## Tryptic Soy Broth (TSB)

For use as a general purpose medium for the cultivation of a wide variety of microorganisms.

|                |       |
|----------------|-------|
| Mylar® Zip-Bag | C7140 |
| 500gm bottle   | C7141 |
| 2kg bucket     | C7142 |
| 10kg bucket    | C7143 |



## Chromogenic Media

### HardyCHROM™ BluEcoli™

A urine culture media, consisting of blood agar on one side and BluEcoli™ agar on the other side. Used for the isolation of urinary pathogens and for the identification of *E. coli*.  
15x100mm biplate, 10/pk J123

### HardyCHROM™ Campy

For the selective isolation and chromogenic differentiation of *Campylobacter* spp. from direct stool cultures.  
15x100mm plate, 10/pk G339

### HardyCHROM™ Candida

For the isolation and identification of *C. tropicalis*, *C. krusei*, and *C. albicans*.  
15x100mm plate, 10/pk G301

### HardyCHROM™ Candida + auris

For the selective isolation and differential identification of *Candida* species. The medium allows for the differentiation of *Candida albicans*, *Candida tropicalis*, *Candida krusei*, and *Candida auris* based on colony morphology, color, and positive UV fluorescence.  
15x100mm plate, 10/pk G343

### HardyCHROM™ MRSA

For the isolation and identification of methicillin resistant *Staphylococcus aureus* (MRSA).  
15x100mm plate, 10/pk G307

### HardyCHROM™ Salmonella

For the isolation and identification of *Salmonella* spp. from other members of the family Enterobacterales.  
15x100mm plate, 10/pk G309

### HardyCHROM™ SS NoPRO

For the selective isolation and differentiation of *Salmonella* and *Shigella* spp. from stool, while inhibiting *Proteus* spp.  
15x100mm plate, 10/pk G327

### HardyCHROM™ Staph aureus

For the isolation, differentiation, and enumeration of *Staphylococcus aureus* by colony color.  
15x100mm plate, 10/pk G311

### HardyCHROM™ UTI

For the cultivation, differentiation, and enumeration of urinary tract pathogens based on colony color and morphology.  
15x100mm plate, 10/pk G313





# Antimicrobial Susceptibility Testing (AST)

Hardy Diagnostics offers an extensive selection of antibiotic sensitivity disks for the disk diffusion (Kirby-Bauer) test.

- A complete line of all commonly used antibiotics
- Spring-loaded in cartridges of 50 disks for smooth and reliable dispensing
- Available in single cartridges or packs of five
- Compatible with the BD BBL™ disk dispensers (6, 8, or 12-place)
- Can also be used with the metal single disk dispenser, Cat. no. 260457



## HARDYDISKS™ AST Disks

**Amikacin, AN-30**  
30µg, 50 disks/cartridge,  
1 cartridge/canister Z8011

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8015

**Amoxicillin/Clavulanic Acid, Augmentin, AmC-30**  
20µg/10µg, 50 disks/cartridge,  
1 cartridge/canister Z8021

20µg/10µg, 50 disks/cartridge,  
5 cartridges/canister Z8025

**Ampicillin/Sulbactam, SAM-20**  
10µg/10µg, 50 disks/cartridge,  
5 cartridges/canister Z8045

**Ampicillin, AM-10**  
10µg, 50 disks/cartridge,  
1 cartridge/canister Z8031

10µg, 50 disks/cartridge,  
5 cartridges/canister Z8035

**Azithromycin, AZM-15**  
15µg, 50 disks/cartridge,  
1 cartridge/canister Z8051

**Bacitracin, B-10**  
10µg, 50 disks/cartridge,  
1 cartridge/canister Z9271



**Carbenicillin, CB-100**  
100µg, 50 disks/cartridge,  
5 cartridges/canister Z8115

**Cefaclor, CEC-30**  
30µg, 50 disks/cartridge,  
1 cartridge/canister Z8121

**Cefazolin, CZ-30**  
30µg, 50 disks/cartridge,  
5 cartridges/canister Z8145

**Cefotaxime, CTX-30**  
30µg, 50 disks/cartridge,  
1 cartridge/canister Z8221

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8225

**Cefotetan, CTT-30**  
30µg, 50 disks/cartridge,  
5 cartridges/canister Z8235

**Cefoxitin, FOX-30**  
30µg, 50 disks/cartridge,  
1 cartridge/canister Z8241

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8245

**Cefpodoxime, CPD-10**  
10µg, 50 disks/cartridge,  
1 cartridge/canister 231673

**Ceftaroline, CPT-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z9391

30µg, 50 disks/cartridge,  
5 cartridges/canister Z9395

**Ceftazidime/Avibactam CZA-50**

30/20µg, 50 disks/cartridge,  
1 cartridge/canister Z9351

30/20µg, 50 disks/cartridge,  
5 cartridges/canister Z9355

**Ceftolozane/Tazobactam C/T40**

30/10µg, 50 disks/cartridge,  
1 cartridge/canister Z9341

30/10µg, 50 disks/cartridge,  
5 cartridges/canister Z9345

**Ceftriaxone, CRO-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z8311

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8315

**Cefuroxime, CXM-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z8321

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8325

**Cephalothin, CF-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z8331

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8335

**Chloramphenicol, C-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z8341

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8345

**Ciprofloxacin, CIP-5**

5µg, 50 disks/cartridge,  
1 cartridge/canister Z8361

5µg, 50 disks/cartridge,  
5 cartridges/canister Z8365

**Clarithromycin, CLR-15**

15µg, 50 disks/cartridge,  
1 cartridge/canister Z8371

**Clindamycin, CC-2**

2µg, 50 disks/cartridge,  
1 cartridge/canister Z8391

2µg, 50 disks/cartridge,  
5 cartridges/canister Z8395

**Colistin, CT-10**

10µg, 50 disks/cartridge,  
1 cartridge/canister Z8411

**Doripenem, DOR-10**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z9371

**Doxycycline, D-30**

30µg, 50 disks/cartridge,  
5 cartridge/canister Z8445

**Erythromycin, E-15**

15µg, 50 disks/cartridge,  
1 cartridge/canister Z8471

15µg, 50 disks/cartridge,  
5 cartridges/canister Z8475

**Gentamicin, GM-10**

10µg, 50 disks/cartridge,  
1 cartridge/canister Z8541

10µg, 50 disks/cartridge,  
5 cartridges/canister Z8545

**Imipenem, IPM-10**

10µg, 50 disks/cartridge,  
5 cartridges/canister Z8575

**Kanamycin, K-30**

30µg, 50 disks/cartridge,  
5 cartridges/canister Z8605

**Levofloxacin, LVX-5**

5µg, 50 disks/cartridge,  
1 cartridge/canister Z8611

5µg, 50 disks/cartridge,  
5 cartridges/canister Z8615

**Nalidixic Acid, NA-30**

30µg, 50 disks/cartridge,  
5 cartridge/canister Z8735

**Nitrofurantoin, F/M-300**

300µg, 50 disks/cartridge,  
1 cartridge/canister Z8791

300µg, 50 disks/cartridge,  
5 cartridges/canister Z8795

**Norfloxacin, NOR-10**

10µg, 50 disks/cartridge,  
5 cartridge/canister Z8815

**Novobiocin, NB-30**

30µg, 50 disks/cartridge,  
5 cartridge/canister Z8835

**Ofloxacin, OFX-5**

5µg, 50 disks/cartridge,  
1 cartridge/canister Z884

**Oxacillin, OX-1**

1µg, 50 disks/cartridge,  
1 cartridge/canister Z8851

1µg, 50 disks/cartridge,  
5 cartridges/canister Z8855

**Penicillin, P-10**

10µg, 50 disks/cartridge,  
1 cartridge/canister Z8881

10U, 50 disks/cartridge,  
5 cartridges/canister Z8885

**Piperacillin, PIP-100**

100µg, 50 disks/cartridge,  
5 cartridge/canister Z8905

**Piperacillin/Tazobactam TZP-110**

100µg/10µg, 50 disks/cartridge,  
5 cartridge/canister Z8915

**Rezafungin, RZF5**

5µg, 50 disks/cartridge,  
1 cartridge/canister Z9471

**Streptomycin, S-10**

10µg, 50 disks/cartridge,  
1 cartridge/canister Z8991

**Sulbactam-Durlobactam, SUD-20**

10µg/10µg, 50 disks/cartridge,  
1 cartridge/canister Z9461

10µg/10µg, 50 disks/cartridge,  
5 cartridges/canister Z9465

**Sulfamethoxazole/Trimethoprim, SXT-25**

1.25µg/23.75µg, 50 disks/cartridge,  
1 cartridge/canister Z9011

1.25µg/23.75µg, 50 disks/cartridge,  
5 cartridges/canister Z9015

**Sulfisoxazole, G-0.25**

0.25mg, 50 disks/cartridge,  
5 cartridge/canister Z9075

**Tetracycline, Te-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z9121

30µg, 50 disks/cartridge,  
5 cartridges/canister Z9125

**Tigecycline, TGC-15**

15µg, 50 disks/cartridge,  
1 cartridge/canister Z9361

**Tobramycin, NN-10**

10µg, 50 disks/cartridge,  
1 cartridge/canister Z9171

10µg, 50 disks/cartridge,  
5 cartridges/canister Z9175

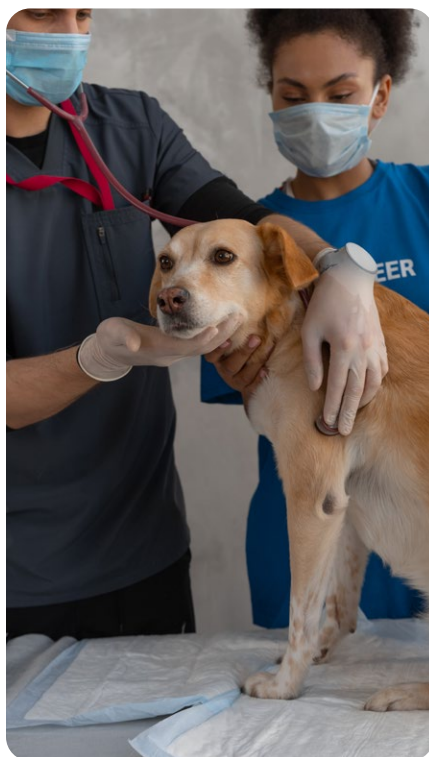
**Trimethoprim, TMP-5**

5µg, 50 disks/cartridge,  
1 cartridge/canister Z9181

**Vancomycin, Va-30**

30µg, 50 disks/cartridge,  
1 cartridge/canister Z9241

30µg, 50 disks/cartridge,  
5 cartridges/canister Z9245



# MASTDISCS® AST Disks

## Cefquinome, 30µg

50 disks/cartridge,  
5 cartridge/canister CEQ30CNCE

## Cefalexin/Kanamycin, 15µg/30µg

Cafalexin 15µg/Kanamycin 30µg,  
50 disks/cartridge,  
5 cartridge/canister CFX15K30CNCE

## Cefoperazone, 30µg

50 disks/cartridge,  
5 cartridges/canister CPZ30CNCE

## Cefovecin, 30µg

50 disks/cartridge,  
5 cartridges/canister CEF30CNCE

## Enrofloxacin, 5µg

50 disks/cartridge,  
5 cartridges/canister ENF5CNCE

## Florenfenicol, 30µg

50 disks/cartridge,  
5 cartridge/canister FFC30CNCE

## Gamithromycin, 15µg

50 disks/cartridge,  
5 cartridge/canister GAM15CNCE

## Pradofloxacin, 5µg

50 disks/cartridge,  
5 cartridge/canister PRA5CNCE

## Marbofloxacin, 5µg

50 disks/cartridge,  
5 cartridge/canister MAR5CNCE

## Mupirocin, 200µg

50 disks/cartridge,  
5 cartridge/canister MUP200C

## Neomycin, 30µg

50 disks/cartridge,  
5 cartridge/canister NE30CNCE

## Tildipirison, 60µg

50 disks/cartridge,  
5 cartridge/canister TIP60CNCE

## Tulathromycin, 30µg

50 disks/cartridge,  
5 cartridge/canister TUL30CNCE

## Tylosin, 30µg

50 disks/cartridge,  
5 cartridge/canister TY30CNCE



# MASTDISCS® Combi

## Extended Spectrum Beta Lactamase (ESBL) Detection (CPD30)

For the detection of ESBL in Enterobacterales.

50 discs per pk D52C

## Cefotaxime 30 & Cefotaxime 30/Clavulanic Acid 10

For the detection of ESBL in Enterobacterales.

150 discs per pk D62C

## Cefepime 30 & Cefepime 30/Clavulanic Acid 10

For the detection of ESBL in Enterobacterales with chromosomal AmpC.

150 discs per pk D63C

## Ceftazidime 30 & Ceftazidime 30/Clavulanic Acid 10

For the detection of ESBL in Enterobacterales.

150 discs per pk D64C

## Cefpodoxime 10 & Cefpodoxime 10/Clavulanic Acid 1

For the detection of ESBL in Enterobacterales.

150 discs per pk D66C

## Extended Spectrum Beta Lactamase Set (CPD10)

For the detection of ESBL in Enterobacterales.

150 discs per pk D67C

## AmpC and ESBL Detection Set

For the detection of AmpC and/or Extended Spectrum Beta-Lactamase enzyme production.

50 discs per pk D68C

## AmpC Detection Set

For the detection of AmpC beta-Lactamase enzyme production.

50 discs per pk D69C

## AmpC ESBL and Carbapenemase Detection Set

For the detection of extended spectrum beta-lactamase (ESBL) and/or AmpC (including inducible AmpC) enzyme production in Enterobacterales, with confirmation of inducible AmpC and carbapenem resistance status.

50 discs per pk D72C

## MAST® Carba Plus

For the detection of carbapenemase and OXA-48-like enzyme production in Enterobacterales.

50 discs per pk D73C

## ESBL Detection Set (EUCAST)

For the detection of Extended Spectrum Beta-Lactamases in Enterobacterales, using the new EUCAST recommended potencies.

50 discs per pk D76C





# NG-TEST® Vet CRE

NG-TEST® Vet CRE is a qualitative, rapid immunoassay that detects and differentiates the five most common carbapenemase families (KPC, OXA-48 like, VIM, IMP and NDM) in pure bacterial colonies of Enterobacterales (including *Escherichia coli* and *Klebsiella Pneumoniae*) and *Pseudomonas aeruginosa*, obtained from culture from cats and dogs. The test is intended to aid in the diagnosis of carbapenemases producing bacteria and to support infection control and surveillance efforts in veterinary healthcare settings.

In animal health, companion animals live in close contact with humans and physical contact is frequent. Recently, there has been increased evidence that pets and their stools may be a reservoir for antibiotic-resistant bacteria and that resistant bacteria can be transmitted between humans, producing animals, and companion animals, posing a new threat to public health.

The occurrence and outbreaks of CRE in companion animals has been reported worldwide, mostly in studies performed after 2010. Hence, prevention of CRE occurrence and spread in companion animals should be controlled. Delays in detection of these pathogens can result in increased transmission in veterinary health care settings.

## MATERIALS PROVIDED IN KIT:

- 20 Test cassettes in aluminium pouches with desiccant
- 20 Microtubes
- 20 Disposable pipettes of 100µL
- 1 Extraction buffer solution in a plastic bottle (4,5 mL)
- 1 Instructions for use

## RESULTS IN 15 MINUTES

20/pk

VETCRE



## NG-TEST® Vet ESBL

NG-TEST® Vet ESBL is a qualitative rapid immunoassay for the detection of CTX-M groups 1, 2, 8, 9 and 25 in a bacterial colony obtained from culture from dogs and cats. It is rapid test that aids to detect extended-spectrum  $\beta$ -lactamases (ESBLs) produced by Enterobacterales and to support infection control and surveillance efforts in veterinary healthcare settings.

The “One Health concept” plays a significant role in the prevention and control of zoonosis combining human, animal, and environmental components to address global health challenges. According to the World Health Organization (WHO), 75% of new emerging human infectious diseases are defined as zoonotic, meaning that they are naturally transmitted from vertebrate animals to humans.

ESBLs have been isolated from companion animals, thus, representing a treatment challenge and a potential source of antimicrobial-resistant microorganisms, especially considering the overuse of antimicrobials in companion animals. Delays in detection of these pathogens can result in increased transmission in veterinary health care settings.

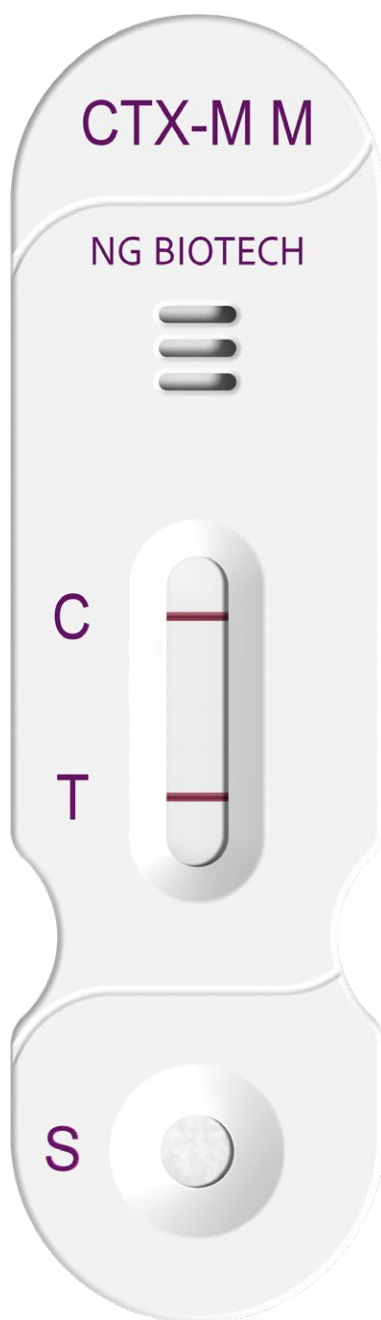
### MATERIALS PROVIDED IN KIT:

- 20 Test cassettes in aluminum pouches with desiccant
- 20 Eppendorf tubes
- 20 Disposable pipettes of 100 $\mu$ L
- Extraction buffer solution in a plastic bottle (4,5 mL)
- 1 Instructions for use

## RESULTS IN 15 MINUTES

20/pk

VETESBL





Mueller Hinton Agar  
with Chocolate,  
Cat. no. E20

## AST Dispensers

### HardyDisk™ Single, Metal Dispenser

Used to apply one sensitivity disc onto an agar surface. Holds one cartridge of 50 disks. Can be used with all HardyDisk™.

Each 260457

### 6-Place, Self-Tamping Dispenser

Each 260661

### 8-Place, Self-Tamping Dispenser

Each 260660

### 12-Place, Self-Tamping Dispenser

Each 260640



12-Place,  
Self-Tamping  
Dispenser, Cat.  
no. 260640



## Mueller Hinton Agar

### Mueller Hinton Agar

For use in the cultivation of a wide variety of microorganisms. Mueller Hinton Agar can be used for disk diffusion sensitivity testing of non-fastidious organisms.

15x150mm plate, 10/pk H11

15x100mm plate, 10/pk G45

### Mueller Hinton Agar with 5% Sheep Blood

For disk diffusion sensitivity testing of *Streptococcus* spp.

15x150mm plate, 10/pk H21

15x100mm plate, 10/pk A59

### Mueller Hinton Agar with Chocolate

With supplements and 1% hemoglobin. For the cultivation of fastidious microorganisms.

15x100mm plate, 10/pk E20

# Bovine Mastitis

## Beta Toxin Solution

Used to determine the CAMP reaction which aids in the presumptive identification of *Streptococcus agalactiae* from bovine samples.  
125ml bottle, 100ml fill, each Z305  
60ml bottle, 25ml fill, each Z306

## Bovine Blood Agar, 5%

For detection of organisms that may cause mastitis in dairy cattle, such as *Staphylococcus aureus* and *Streptococcus agalactiae*.  
15x100mm plate, 10/pk A188

## Bovine Blood Agar, 5% with Esculin

Media contains full strength esculin. For the detection of organisms that may cause mastitis in cattle, especially *Streptococcus uberis*.  
15x100mm plate, 10/pk A189

## Bovine Blood Agar with Esculin/ MacConkey Agar Biplate

For the primary isolation, cultivation, and differentiation of organisms responsible for mastitis in dairy populations.  
15x100mm biplate, 10/pk J129



## Bovine Selective Staph Agar

Bovine Selective Staph Agar  
For the cultivation, and selective isolation of *Staphylococcus* from bovine mastitis specimens  
15x100mm biplate, 10/pk A157

## Bovine Selective Strep Agar

For the selective isolation of *Streptococcus* species. It is also known as TKT Agar or Modified Edwards Agar.  
15x100mm plate, 10/pk A143

## California Mastitis Test Kit (CMT)

Measures somatic cell counts through a special reagent in a four-chambered paddle.  
Each JO370K

## Mycoplasma Agar

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

## Mycoplasma Agar, without label

For use in isolation of *Mycoplasma* species associated with bovine mastitis.  
15x100mm plate, 10/pk G102

## Mycoplasma Broth

For use in isolation of *Mycoplasma* species associated with bovine mastitis.  
13x100mm tube, 4ml, 20/pk R102

## Mycoplasma Agar with Cefoperazone

For the detection of *Mycoplasma* species associated with bovine mastitis.  
15x100mm plate, 10/pk G212

# MALDI-TOF Mass Spectrometry

## Autof ms1000

The Autof ms1000 provides automated, high-speed and high-confidence identification and taxonomical laser-induced classification of bacteria, yeasts, fungi, and filamentous fungi based on proteomic fingerprinting. Numerous studies have demonstrated the higher accuracy, faster time-to-result, and lower cost provided by MALDI-TOF technology when compared to classical methods.

### Features:

- Faster time-to-result when compared to conventional methods and PCR
- Cost effective
- Robust, intuitive software, supporting 21 CFR part 11 compliance
- LIMS/LIS connectivity and support
- Can identify 96 samples in less than 20 minutes hands-on time

The Autof ms1000 has the most expansive database in the industry. Created with more than 15,000 strains, each with more than 5 reference spectra, averaging more than 10 strains per species, the database of the Autof ms1000 provides highly accurate results.

**Local database includes more than  
1,003 genera,  
5,000 species, and  
16,000 strains.**

Each MS1000





## Environmental Sampling

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

For the cultivation and enumeration of microorganisms. Recommended for surface sampling. Irradiated, triple bagged.

15x65mm contact plate, 10/pk P520

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

Recommended for surface sampling.

15x65mm contact plate, 10/pk P34

## Parasitology

### **Para-Tect™ Cryptosporidium/ Giardia Direct Fluorescent Assay**

This direct fluorescent assay (DFA) is an *in vitro* immunoassay for the qualitative determination of *Cryptosporidium* and *Giardia* oocysts and cysts in feces. Can be used with stools preserved in 10% formalin, SAF, or MCC's Universal Fixative. Results in 60 minutes.

75 tests

MCCCG75



# Microscopy

## PROSlides™ Frosted, Premium, Microscope Slides

Guaranteed non-stick slides are ideal for hematology differential smears, pathology tissue mounting, and all general microscopy. Manufactured from the highest purity corrosion-resistant, clear sheet glass. 3x1 inch x 1mm.  
72/bx PF72P

## Cover Glass

High-quality, borosilicate cover glass is non-corrosive and non-fogging. Devoid of scratches, bubbles, and striations, its flatness provides a uniform distortion-free surface.  
18x18mm, 1 oz bx 1818HD  
22x22mm, 1 oz bx 2222HD

## Microscope Lens Cleaner

A safe and effective microscope lens cleaning solution in a dropper bottle. Gentle on optics, leaves no residue. Use with lens paper.  
30ml fill, each Z97

## Immersion Oil, Type

Used to assist in microscopic examination at high power (1,000x lens) by increasing the resolving power.

Low Viscosity  
Type A, 20ml, each Z95  
Type A, 125ml, each Z85

High Viscosity  
Type B, 20ml, each Z96  
Type B, 125ml, each Z86

## Microscope Lens Paper

Clean safety glasses and goggles, microscope lens, and more with no scratching. Dust and lint-free lens tissues are ideal for use with liquid cleaners. 4x6 inches.  
50 sheets/book, 12/pk 52846001

## Bibulous Slide Blotting Paper

High quality, highly absorbent papers manufactured for minimum linting and shedding. Recommended for drying slides, and small parts or components.  
50 sheets/book, 12/pk 28511007



# Pathogen Detection

## Campy CVA Agar

(Campy Agar with 5% Sheep Blood, Cefoperazone, Vancomycin, and Amphotericin B.) For the selective isolation of *Campylobacter jejuni* from fecal specimens.  
15x100mm plate, 10/pk A40

## Campy FDA Agar

(Brucella Agar w/7% Lysed Horse Blood & PVANT Antibiotics), for *Campylobacter*. A modified Skirrow's formula, similar to Blaser formula but with lysed horse blood instead of whole sheep blood.  
15x100mm plate, 10/pk A139

## Campy, Blood Free, Karmali Agar

For the selective isolation of *Campylobacter* spp. The Karmali formula has been shown to achieve superior results in the recovery of *Campylobacter* from stool specimens.  
15x100mm plate, 10/pk G06

## CampyGen™ Compact

A simple to use system for the rapid generation of a microaerophilic environment necessary to cultivate *Campylobacter* spp.  
20/bx CN020C

**CampyGen™ Gas Generator**

A simple to use system for the rapid generation of a microaerophilic environment necessary to cultivate *Campylobacter* spp. Use with 2.5 liter jar.

10/pk CN025A

**Lowenstein Jensen (LJ) Agar, Slant**

Egg-based Lowenstein Jensen media with malachite green are recommended for use in the cultivation and isolation of *Mycobacterium* spp. 20x125mm tube, 20/pk C21

**Lowenstein Jensen (LJ) Selective, Slant**

Contains lincomycin, nalidixic acid, and cycloheximide. For the selective isolation of *Mycobacterium* spp. 20x125mm tube, 20/pk C25

**Lysine Iron Agar (LIA), Slant**

For use in differentiating certain members of the Enterobacterales family, especially *Salmonella* spp., by demonstrating hydrogen sulfide production and the decarboxylation or deamination of lysine. 13x100mm tube, 20/pk R22

**Oxford Medium, Modified**

For the selective isolation and differentiation of *Listeria monocytogenes*. 15x100mm plate, 10/pk G46

**Signal Blood Culture System**

The one bottle system formulated to grow aerobic, anaerobic and microaerophilic organisms. 20/pk BC0100M

**Tetrathionate Broth**

With the addition of Iodine-Iodide solution (Cat. no. Z129 or Z139), is recommended for the selective enrichment of *Salmonella* spp. 10 ml, 16x125mm, 20/pk K65  
1L, 1L bottle, 10/pk U165

**Tetrathionate Broth with Brilliant Green**

For use as a selective media for the isolation of *Salmonella* spp. from pharmaceutical products, food, meat, and water. 10ml, 16x125mm tube, 20/pk K164

**Triple Sugar Iron (TSI) Agar, Slant**

For use in the differentiation of Enterobacterales by their ability to ferment glucose, lactose, and sucrose, and their ability to produce hydrogen sulfide. 13x100mm tube, 20/pk R32

**Xylose Lysine Deoxycholate (XLD) Agar, USP**

For use as a selective and differential medium for the isolation of Gram-negative enteric pathogens. 15x100mm plate, 10/pk G65

**XLT4 (Xylose-Lysine-Tergitol 4) Agar**

For the detection and isolation of non-typhi *Salmonella* species. 15x100mm plate, 10/pk G165



CampyGen™ Compact,  
Cat. no. CN020C

## Rapid Tests

### Bacitracin Differentiation Disk, 0.04 U, HardyDisk™

Used in the presumptive identification of group A, beta-hemolytic streptococci.

1 cartridge/50 disks Z7021

5 cartridge/50 disks Z7025

### Catalase Reagent, Hydrogen Peroxide 3%, SpotDrops™

Useful in the presumptive identification and differentiation of many bacteria.

15ml, each Z62

### Coagulase Cryo™ Rabbit Coagulase Plasma with EDTA

Lyophilized rabbit plasma, for the identification of *Staphylococcus aureus* by the coagulase test.

6 x 3ml Z003

6 x 20ml Z020

### Frozen Rabbit Plasma, Coagulase Cryo™

Used to differentiate *Staphylococcus* species based on the ability to produce coagulase.

20/pk Z202

### India Ink for Cryptococcus

For use in the identification of *Cryptococcus neoformans* by detection of the polysaccharide capsule.

15ml, each Z64

### Indole Spot Reagent

Indole, DMACA Spot to perform a rapid spot indole test on filter paper.

15ml, each Z65

### Liquid Oxidase Reagent, OxiDrop™

Used in procedures to detect cytochrome oxidase activity in bacteria.

15ml fill, each Z119

### MRSA, Latex Kit for PBP2', MASTALEX™

For the detection of Penicillin Binding Protein 2' (PBP2') in isolates of *Staphylococcus* spp.

48 tests per kit RST501

### NG-TEST® MCR-1

Rapid test for the detection of colistin resistance via expression of mcr-1 gene from a bacterial colony. Not for *in vitro* diagnostic use. Research use only.

20/pk NGBMCRS23000

### Nitrate Reagent A, Sulfanilic Acid, SpotDrops™

For use in determining the nitrate reduction reaction of bacteria, other than *Mycobacterium* species. Compatible with all strip and cupule tests.

15ml, each Z71

### Nitrate Reagent B, Naphthylamine, SpotDrops™

For use in determining the nitrate reduction reaction of bacteria, other than *Mycobacterium* species.

15ml, each Z72

### Nitrate Reagent C, Zinc Dust

For the completion of the nitrate reduction test. Confirms negatives after adding Nitrate A and Nitrate B reagents.

Each Z73

### Optochin Differentiation Disk, HardyDisk™

For use in the presumptive identification of *Streptococcus pneumoniae* from other alpha-hemolytic streptococci.

1 cartridges/50 disks each Z7011

5 cartridges/50 disks each Z7015

### OxiStrips™, Oxidase Strips

Ready-to-use test strips with a convenient plastic handle so the user can avoid skin contact with the reaction area. Used for the detection of cytochrome oxidase activity in bacteria.

25/pk Z93

**PYR Test Kit (Pyrolidonyl  
Aminopeptidase)**

A rapid test for Group A Strep and *Enterococcus*, both of which are PYR positive, all other streps are negative.

|           |      |
|-----------|------|
| 25 tests  | Z75  |
| 100 tests | Z175 |

**Salmonella Latex Test Kit**

A rapid latex agglutination test for the presumptive identification of *Salmonella* in selective and/or enrichment cultures.

|           |         |
|-----------|---------|
| 100 tests | DR1108A |
|-----------|---------|

**StaphTEX™ Test for  
*Staphylococcus aureus***

A latex agglutination test that produces clear and reliable results when testing for *Staphylococcus aureus*. The plasma-coated blue latex beads create an easy to interpret read-out.

|             |        |
|-------------|--------|
| 50 tests    | ST50   |
| 200 tests   | ST200  |
| 1,000 tests | ST1000 |

**StrepPRO™ Streptococcal  
Grouping Kit**

A latex agglutination test for the rapid identification of Lancefield's groups A, B, C, D, F, and G from isolated colonies of beta-hemolytic *Streptococcus* spp. and *Enterococcus faecalis*.

|      |         |
|------|---------|
| Each | PL030HD |
|------|---------|

**Voges-Proskauer Reagent A, VP-A, Alpha Naphthol, SpotDrops™**

For use in determining the Voges-Proskauer (VP) reaction of bacteria.

|            |     |
|------------|-----|
| 15ml, each | Z91 |
|------------|-----|

**Voges-Proskauer Reagent B, VP-B, KOH 40%, SpotDrops™**

For use in determining the Voges-Proskauer (VP) reaction of bacteria.

|            |     |
|------------|-----|
| 15ml, each | Z92 |
|------------|-----|





# Skin Culture

## DERM-DUET™

A biplate containing DTM (Dermatophyte Test Medium) and RSM (Rapid Sporulation Medium). Derm-Duet™ provides the user with the simultaneous advantage of the distinctive color change of the DTM and the rapid sporulation and visual pigmentation of RSM. The two-section test plate system provides for comprehensive analysis of dermatophytic microorganisms that cause the vast majority of skin lesions seen in veterinary medicine.

### DERM-DUET™

15x100mm biplate, 10/pk J350

### DERM-DUET™ II

15x100mm biplate, individually bagged, 10/pk J175

## DTM (Dermatophyte Test Media) Agar, Slant

For the isolation and identification of dermatophytic fungi such as *Microsporum canis*, the causative agent of ringworm. Also designed to detect dermatophytes such as *Epidermophyton* and *Trichophyton* spp. 20/pk L27

## Inhibitory Mold Agar (IMA) with Gentamicin

Recommended for the selective isolation of fungi. 15x100mm plate, 10/pk W27

## Mycobiotic Agar Plate, Deep Fill

Recommended for use in the isolation of pathogenic fungi from clinical specimens. For the selective isolation of pathogenic fungi especially from hair, skin, and nail specimens. Contains chloramphenicol and cycloheximide. 15x100mm plate, 10/pk W50

## Potato Flake Agar, MycoVue™ Slide Culture System

A ready-to-use, and disposable diagnostic device for performing slide cultures for the identification of fungi. 5/pk MV1

DERM-DUET™,  
Cat. no. J350



DERM-DUET™ II,  
Cat. no. J175

## Potassium Hydroxide

For use in slide preparations of specimens for the purpose of identifying fungal elements. Dissolves epithelial cells that may mask fungal elements.

10% KOH, 15ml vial, each Z77

20% KOH, 15ml vial, each Z78

## SabDex with C & G/DTM

**Section I:** Sabdex Agar with C and G are recommended for the isolation, cultivation, and maintenance of non-pathogenic and pathogenic species of fungi and yeasts.

**Section II:** DTM is a selective and differential medium recommended for the cultivation and isolation of pathogenic dermatophytic fungi. 15x100mm biplate, 10/pack J107

## SabDex Agar with Chloramphenicol and Tetracycline

For the isolation, cultivation, and maintenance of non-pathogenic and pathogenic species of fungi and yeasts. 15x100mm plate, 10/pk W74

# Specimen Collection and Transport

## Amies Gel Transport Swabs

Liquid amies for aerobic culture amies agar gel (with or without charcoal) for aerobic and anaerobic culture, offered in a variety of single or dual swabs, tips, shafts and cap colors.

### With Charcoal

|       |        |
|-------|--------|
| 50/pk | 4114BX |
| 50/pk | 4192BX |
| 50/pk | 4116BX |
| 50/pk | 4136BX |
| 50/pk | 4125BX |

### Without Charcoal

|       |        |
|-------|--------|
| 50/pk | 4108BX |
| 50/pk | 4190BX |
| 50/pk | 4124BX |
| 50/pk | 4134BX |

## Nasopharyngeal (NP) Swab, Flexible, Mini-tip, Sterile

Flexible, mini-tip size flocked swab with 80mm breakpoint in peel pouch, individually packaged.

|        |        |
|--------|--------|
| 100/pk | 972012 |
|--------|--------|

## Nasopharyngeal (NP) Swab, Rayon, Mini-tip, Sterile

Ideal for specimen collection from urethra, ear, eye, or nasopharyngeal area. Aluminum wire shaft is flexible with a miniature rayon tip. Individually wrapped.

|       |          |
|-------|----------|
| 50/pk | 25800R50 |
|-------|----------|

## Opti-Swab® Liquid Amies Collection & Transport System

### MINI-TIP FLOCK SWAB

Designed to accommodate eye, ear, urogenital, and pediatric sampling sites.

|  |       |
|--|-------|
| 50/pk  | LA116 |
| ULTRAFINE FLOCK SWAB                             |       |
| Designed to accommodate nasopharyngeal sampling. |       |
| 50/pk  | LA117 |

### ELONGATED FLOCK SWAB

Designed to accommodate nose, throat, vaginal, rectal, and wound sampling.

|       |       |
|-------|-------|
| 50/pk | LA106 |
|-------|-------|

## Specimen/Sample Cup, Sterile

A tight sealing lid ensures that your sample will arrive in the lab safe and dry.

|                     |        |
|---------------------|--------|
| 90ml cups, 400/case | 243810 |
|---------------------|--------|

## Sterile Cotton Tipped Swab

Sterile cotton swab with wood shaft, 6 inches long. Individually wrapped.

|        |            |
|--------|------------|
| 100/bx | HD258061WC |
|--------|------------|

## Tongue Depressor, Sterile

Smooth, splinter-free tongue depressors made from Northern White Birch. Individually wrapped.

|        |       |
|--------|-------|
| 100/bx | 25705 |
|--------|-------|



# Stains

## Acid Fast Stain Kit, Kinyoun

Used as a differential method to detect the difference between those organisms which decolorize with treatment of acid alcohol, and those that do not, such as mycobacteria.  
3x250ml bottle/pk AF900

## Acid Fast Stain Kit, Ziehl-Neelsen

AFB stain kit (Ziehl Neelson) "Hot" method requires heating of the slide. Kit includes one 8 oz bottle of each of the following:

- Carbol Fuchsin (Ziehl Neelson)
- Acid Alcohol
- Methylene Blue

Each 484K

## Coplin Jars

For manual staining procedures. Jars are white plastic with a screw-on top to minimize evaporation. Holds 5 slides in upright position or 10 slides back to back.

Each VCJ001

## Gram Stain Advanced™ Kit with Stabilized Iodine

Produces brighter colors for both Gram-positive and Gram-negatives. Kit includes:

- Hucker's Crystal Violet
- Iodine, stabilized
- Decolorizer, Fast, 75% acetone, 25% alcohol
- Counterstain, Advanced

4x8 oz bottles GK400A

## Q-Slide™ Gram, Pre-inoculated with *E. coli* and *S. aureus*

A convenient ready-to-stain control slide that will test both your stain solutions and your staining techniques. Positive and negative stain control organisms for Gram Stain QC.

5 slides/pk Z302

## Q-Slide™ AFB

A convenient ready-to-stain control slide that will test both your stain solutions and your staining techniques. Positive and negative stain control organisms are affixed to the circles in each Q-Slide™. Up to four patient specimens (in the squares) may be processed at the same time as the QC organisms.

5 slides/pk Z301

## Slide Staining Rack

This stainless steel staining rack is designed for use across laboratory sinks of various sizes. Triangular slide supporting rods have a tapered top, and contact the slides only in a narrow zone. Rack is simple and quickly adjustable to fit sinks up to 53.4cm (21") inside dimensions.

Each 15153821

## Rapid Wright-Giemsa Stat Stain

For blood smears and bone marrow. Stains in only 15 seconds. This kit provides bright colors with excellent separation. No buffer step is required.

16 oz, each SS016

32 oz, each SS032

## Trichrome Stain Starter Kit

Contains all the materials to prepare stained fecal smears. 8 oz each of : Schaudinn's Fixative, Trichrome Stain; 16 oz each of: Carbol Xylene, Xylene, Iodine Alcohol, 70% Ethanol, 95% Ethanol, Acid Ethanol 90%.

Each VXF019



# Stool Testing

## Brilliant Green Agar (BGA) with Novobiocin

For the selective isolation and differentiation of *Salmonella* spp. other than *S. Typhi*.

15x100mm plate, 10/pk G175

## Cefsulodin-Irgasan Novobiocin (CIN) Agar/MacConkey Agar with Sorbitol

**Section I:** CIN Agar. For the selective and differential isolation of *Yersinia* and *Aeromonas* species.

**Section II:** MacConkey with Sorbitol. For the detection and isolation of enterohemorrhagic *Escherichia coli* O157:H7.

15x100mm bipate, 10/pk J49

## Eosin Methylene Blue (EMB) Levine Agar

For isolation and differentiation of Gram-negative bacilli.

15x100mm plate, 10/pk G25

## GN Broth

For the selective enrichment of *Salmonella* and *Shigella* spp. in stool specimens.

4ml, 12x80mm tube, 100/pk R76BX

6ml, 13x100mm tube, 20/pk K01

10ml, 16x125mm tube, 20/pk K39

## HE (Hektoen Enteric) Agar

For the selective isolation and differentiation of pathogenic Gram-negative enteric bacteria, such as the non-lactose fermenting *Salmonella* spp. and *Shigella* spp. Normal stool flora, such as *E. coli*, will be partially inhibited.

15x100mm plate, 10/pk G63

## MacConkey Agar with Sorbitol (SMAC)

For the detection of enterohemorrhagic *E. coli* O157 (sorbitol negative).

15x100mm plate, 10/pk G36

HE (Hektoen Enteric) Agar, Cat. no. G63



## Selenite Cystine Broth

For the selective enrichment of *Salmonella* spp. in clinical and non-clinical specimens.

10ml, 16x125mm tube, 20/pk K69

## SS (Salmonella Shigella) Agar

For the isolation of pathogenic enteric bacteria, especially *Salmonella* spp.

15x100mm plate, 10/pk G50



## Urine Testing

### EMB/MSA (Eosin Methylene Blue/Mannitol Salt Agar)/Mycobiotic Agar/Blood Agar 5%

**Section I:** EMB Agar. For the isolation of Gram-negative bacilli (including coliform organisms and enteric pathogens) from clinical and nonclinical specimens.

**Section II:** Mannitol Salt Agar (MSA). For use as a selective and differential medium for the isolation of pathogenic staphylococci.

**Section III:** Mycobiotic Agar. For use in the isolation of pathogenic fungi from clinical specimens.

**Section IV:** Blood Agar. For the cultivation of a wide variety of microorganisms.

15x100mm quad plate, 10/pk J79

### Blood Agar 5%/MacConkey Agar,

**Section I:** MacConkey Agar is for the selective and differential isolation of Gram-negative bacteria, especially Enterobacterales. Advanced formula controls the swarming of *Proteus*.

**Section II:** Blood agar is a general non-selective growth medium for bacteria, yeast, and fungi and also contains 5% sheep blood from a veterinary supervised, controlled herd of donor animals. Blood is guaranteed to be from healthy antibiotic-free animals.

15x100mm biplate, 10/pk J32

15x100mm biplate, 100/pk J32BX

### CNA/MAC (Colistin and Nalidixic Acid/MacConkey) Agar

**Section I:** CNA Agar is recommended for use as a selective growth medium for the isolation and differentiation of Gram-positive cocci from clinical and non-clinical specimens which contain mixed flora.

**Section II:** A selective and differential medium for the isolation of Gram-negative bacilli, including coliform organisms and enteric pathogens, on the basis of lactose fermentation.

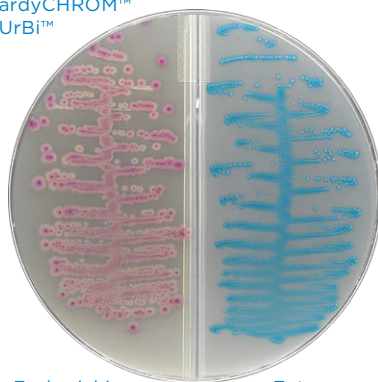
15x100mm biplate, 10/pk J62

### Blood Agar 5%/Eosin Methylene Blue (EMB) Agar

For the detection of urinary tract infections. EMB is selective for Gram-negative bacteria and will differentiate between lactose and non-lactose fermentors.

15x100mm biplate, 10/pk J22

HardyCHROM™  
HUrBi™



*Escherichia coli*

*Enterococcus faecalis*

### HardyCHROM™ HUrBi™, Chromogenic Medium

For the cultivation, differentiation and enumeration of various Gram-negative and Gram-positive bacteria, and yeast based on colony color and morphology. Selective agents have been added to the each side of the biplate to select for growth of Gram-positive organisms and yeast on one side and to select for growth of Gram-negative organisms on the other side of the biplate.

15x100mm biplate, 10/pk J100

### HardyCHROM™ UTI, Chromogenic Medium

A differential culture medium that facilitates the isolation and differentiation of urinary tract pathogens, including Gram-negative and Gram-positive bacteria. The development of various colors, due to chromogenic substances in the media, allows for the differentiation of microorganisms from the primary set-up of a urine specimen.

15x100mm plate, 10/pk G313



**Urine (EMB, XLD, Modified  
Simmon's Citrate, Blood Agar 5%)**

**Section I:** EMB Agar. For the isolation of Gram-negative bacilli (including coliform organisms and enteric pathogens) from clinical and nonclinical specimens.

**Section II:** XLD Agar. For the isolation of Gram-negative enteric pathogens from fecal specimens or from food and other samples.

**Section III:** Citrate Agar. For use in the differentiation of Gram-negative enteric bacilli based on citrate utilization.

**Section IV:** Blood Agar. For the cultivation of a wide variety of microorganisms.  
15x100mm quad plate, 10/pk J71

**Urine Dipstick Control Set**

This control validates urine dipstick readings by applying the control directly onto the dipstick with a plastic dropper tip for easy dispensing and maximum use.  
25ml, each 144002

**UriStain™**

For the differentiation of normal or abnormal cells in urine. For easy differentiation of red blood cells and leukocytes. Bacteria is red or colorless when alive and purple when dead.  
15ml, each Z74



# PPE

## PRECISION® Powder Free Nitrile Gloves

Best all-around glove! Soft feel, powder-free, micro-textured, violet-blue. Finger thickness 4mil, palm 2.4mil.

|                     |        |
|---------------------|--------|
| Extra Small, 100/bx | PCS770 |
| Small, 100/bx       | PCS772 |
| Medium, 100/bx      | PCS775 |
| Large, 100/bx       | PCS776 |
| Extra Large, 90/bx  | PCS778 |

## MIRACLE® Gloves

100% latex-free, eliminating the potential risk of rubber latex sensitivities. Because of its thin gauge, the gloves are packed 200 gloves per box to save you shelf space, you don't need to replace empty dispensing boxes as frequently. 2,000 per case

|        |        |
|--------|--------|
| Small  | MIR162 |
| Medium | MIR165 |

## ComfortPro Disposable Lab Coats

Ultrasonic technology provides the SPS fabric with significantly improved fabric strength. ComfortPro lab coats are dust proof and water resistant. The cuffs and collar are soft knitted material for added comfort. The coat has three pockets; one breast pocket and two hip pockets. 70 per package.

|             |            |
|-------------|------------|
| Medium      | NEGU6073M  |
| Large       | NEGU6073L  |
| Extra Large | NEGU6073XL |

## Surgical Mask

Latex free with convenient ear-loops sonically welded to the outside of the mask. Soft, cool, and breathable while meeting the ASTM F200-01 Testing Requirements of submicron filtration above 98%.

|          |       |
|----------|-------|
| 500/case | 15100 |
|----------|-------|

## Short Shield Face Shield

A lightweight and comfortable face shield that is optically clear, has anti-fog properties, fits over glasses, a foam headband, disposable/reusable. Designed to protect the user's face from splattered blood and other bodily fluids, when used properly.

|       |      |
|-------|------|
| 24/pk | 4511 |
|-------|------|



ComfortPro  
Disposable  
Lab Coats

# Lab Equipment

## Bacti-Cinerator IV Incinerator

Loop incinerator safely sterilizes loops and needles by infrared heat in ceramic tube; no open flame or hazardous gas. Prevent infectious spatter and/or cross contamination. Ideal for use in anaerobic chambers. Complete sterilization takes only five to seven seconds at optimum sterilizing temperature of 1500 °F (815.6 °C). Base is weighted for stability and provides convenient storage for 6 needle holders.

Bacti-Cinerator IV 004002

Ceramic Heating Replacement Element 001373



## Exact-Temp™ Thermometers

Thermometer probe stays inside, digital display stays outside. No need to open the door! Temperature probe remains in plastic bottle with insulating liquid. Thermometer is traceable to National Institute of Standards and Technology (NIST) with certificate. Min/Max alarm settings with nine foot sensor cable. Choose between Celsius and Fahrenheit ranging from -50 °C to 70 °C (-58 °F to 158 °F).

Each R80301



## Incubator, 0.8 Cubic Feet

Accommodates a maximum of 4 shelves. An inexpensive incubator for school

laboratories and can be used as a backup incubator for hospitals.

The incubator is made of cold rolled steel and has a see-through acrylic door. Supplied with two adjustable shelves and a spirit-filled thermometer.

Dimensions: 3"x14"x 16-1/4".

Weight: 19 lbs.

Temperature range, +10°C to 90°C.

Each 132000

# Lab Supplies

## Autoclave Bags

Made of tough, thick polypropylene, double seamed bottom, solid red bag with black biohazard warnings in English and Spanish. Bag is rated to withstand temperatures up to 250°F. Heat indicator strip turns black when exposed to steam, OSHA approved labeling, plastic twist ties for closure furnished upon request.

|  |        |
|--|--------|
| 8x12 inches, 2mil thickness,<br>400/case     | AB5819 |
| 12x24 inches, 2mil thickness,<br>500/case    | AB5010 |
| 14x19 inches, 2mil thickness,<br>500/case    | AB5012 |
| 19x24 inches, 2mil thickness,<br>200/case    | AB5013 |
| 25x30 inches, 1.75mil thickness,<br>200/case | AB5026 |
| 25x35 inches, 2mil thickness,<br>200/case    | AB5237 |

## Biohazard Bags

For collection of biohazard waste, not for autoclaving. Made of polyethylene, solid red with black biohazard warnings in English and Spanish, has the international biohazard symbol, meets OSHA requirements, passed the 165gm dart impact test.

|  |        |
|--|--------|
| 23x23 inches, 1.5mil thickness,<br>500/case  | BB116  |
| 24x32 inches, 1.2mil thickness,<br>250/case  | BB2192 |
| 25x35 inches, 2.25mil thickness,<br>200/case | BB2305 |

## Capillary Tube

Manufactured from soda lime glass, packed in plastic vials with reclosable snap-lock caps to maintain cleanliness. Ends may be sealed by flame, sealing clay or patented caps. Interior surface of these tubes is evenly coated with ammonium heparin to prevent coagulation.

|        |      |
|--------|------|
| 200/pk | 2501 |
|--------|------|

## Culture Tube Test Tube

Disposable borosilicate glass

KIMAX-51 composition assures the best all-around chemical durability for laboratory ware. Complies with ASTM Specification E438, Type I, Class B glass requirements.

|                    |            |
|--------------------|------------|
| 10x75mm, 1,000/bx  | 735001075  |
| 12x75mm, 1,000/bx  | 735001275  |
| 15x85mm, 1,000/bx  | 735001585  |
| 16x100mm, 1,000/bx | 7350016100 |
| 16x150mm, 1,000/bx | 7350016150 |

## Disposable Loops

The hexagonal loop shaft improves grip, while the ultra-smooth loop surfaces allow for easy streaking. Loops are sterile and free of lubricants, oils, and electrostatic charges. Packed in re-sealable plastic pouches for use with the LoopCaddy™ Stand.

|  |            |
|--|------------|
| 1µl, loop, calibrated, flexible, 40/pk,<br>1,000/bx  | 178CSR40   |
| 10µl, loop, calibrated, flexible, 40/pk,<br>1,000/bx | 179CSR40   |
| 1µl, loop, calibrated, rigid, 40/pk,<br>1,000/bx     | 8175CSR40H |
| 10µl, loop, calibrated, rigid, 40/pk,<br>1,000/bx    | 8177CSR40H |

## Disposable Inoculating Loop

Hexagonal loop shaft improves grip, while the ultra smooth loop surfaces allow for easy streaking. Loops are sterile and free of lubricants, oils, and electrostatic charges. Available in flexible plastic and color coded for easy product identification.

|                          |          |
|--------------------------|----------|
| Light blue, 10µl, 50/pk, | HST10FSP |
| Light green, 1µl, 50/pk  | HST1F    |

## LoopCaddy™ Loops Stand

A convenient, all acrylic loop holder for use with the resealable loop pouches. The pouches slide onto the loop holder allowing the user to simply pull out one loop at a time and reseal the package. The free-standing loop holder can be placed anywhere and is designed to be very stable. This product makes the laborious task of opening and closing loop containers fast and easy.

|      |      |
|------|------|
| Each | K24H |
|------|------|

**Reusable Calibrated Nichrome Loops**

Calibrated inoculating loop used to transfer various liquids, suspensions, bacteria, and other specimens from storage containers to culture media and/or petri dishes. Made from only high-grade nickel-chromium alloys or pure platinum alloy to ensure repeated, accurate usage. Guaranteed to deliver precisely 0.01ml and 0.001ml of specimen, respectively. 26 gauge, twisted nichrome wire with aluminum handle.

|            |      |
|------------|------|
| 1µl, each  | 3730 |
| 10µl, each | 3740 |

**SpeedStreaks™ Disposable Loops**

SpeedStreaks™ are Hardy Diagnostics' line of disposable inoculating loops. The loops are available in several styles and are color-coded for convenience. The loops are free from coatings and electrostatic charges that might interfere with wetting and transfer of the volume contained in the loop. Loops are calibrated, come 25 per package, 1,000 per case, and are shipped with a Certificate of Calibration that authenticates their accuracy.

|                            |       |
|----------------------------|-------|
| Rigid, dark green, 1ml     | HS1R  |
| Flexible, light green, 1ml | HS1F  |
| Rigid, dark blue, 10ml     | HS10R |
| Flexible, light blue, 10ml | HS10F |
| Needle, rigid, violet      | HSND  |

**McFarland Latex Standard**

The McFarland Latex Standards are prepared from suspensions of uniform latex particles with similar absorbance values as the original barium sulfate standards. 6x100mm tube, 8ml fill.

|             |      |
|-------------|------|
| # 0.5, each | ML05 |
| # 1, each   | ML1  |
| # 2, each   | ML2  |
| # 3, each   | ML3  |
| # 4, each   | ML4  |
| # 5, each   | ML5  |
| # 6, each   | ML6  |
| # 7, each   | ML7  |
| # 8, each   | ML8  |

**Sterile Petri Plate with Stacking Ring**

Optically clear polystyrene for distortion-free viewing. Heavy-duty reduces breakage during shipping. Stacking rings guards against slippage when moving stacked plates. 15x100mm plate, 52/case

3561

**Spreaders**

Sterile, T-shaped spreaders are designed for spreading and dispersing liquid across the surface of agar culture plates.

|                 |           |
|-----------------|-----------|
| 1/pk, 500/case  | COPTS     |
| 10/pk, 500/case | COPTS10   |
| 10/pk, 500/case | COPTS10ZL |

**Wickerham Card for Turbidity Adjustments to a McFarland Standard**

A 2x3 inch plastic laminated card with thick black and white lines to facilitate the preparation of bacterial and yeast suspensions when comparing the turbidity to a McFarland Standard. Each

Z08





# Pipets

## 1.5ml Capacity - Extended Tip - Small Bulb



Mini-Tip

| Cat. no.            | Sterility                  | Unit         | Technical Date                          |  |
|---------------------|----------------------------|--------------|---|--|
| 134020<br>134020400 | Non-Sterile<br>Non-Sterile | 3,200<br>400 | • Capacity: 1.5ml<br>• Bulb Draw: 1.5ml | • Tip Diameter: 0.9mm<br>• Total Length: 104mm<br>• Stem Diameter: 4.5mm |

## 5ml Capacity - Extended Tip - Large Bulb



Fine-Tip

| Cat. no.            | Sterility                  | Unit         | Technical Date                        |   |
|---------------------|----------------------------|--------------|---------------------------------------|---|
| 134070<br>134070250 | Non-Sterile<br>Non-Sterile | 2,000<br>250 | • Capacity: 5ml<br>• Bulb Draw: 3.2ml | • Tip Diameter: 0.85mm<br>• Total Length: 153mm<br>• Stem Diameter: 4.6mm |

## 5.8ml Capacity



General Purpose

| Cat. no.            | Sterility                  | Unit         | Technical Date                        |  |
|---------------------|----------------------------|--------------|---------------------------------------|--|
| 134060<br>134060500 | Non-Sterile<br>Non-Sterile | 5,000<br>500 | • Capacity: 5.8ml<br>• Bulb Draw: 2ml | • Tip Diameter: 2.5mm<br>• Total Length: 157mm<br>• Stem Diameter: 6.6mm |





# Disinfectants and Cleaners

## AloeSafe™ Hand Sanitizer Gel

AloeSafe™ hand sanitizer leaves hands soft and silky, never sticky. Contains moisturizing aloe vera, healing Vitamin E, and soothing lavender oil. AloeSafe™ has 62% ethyl alcohol.

|                         |        |
|-------------------------|--------|
| 2 oz pocket size, each  | AS2HD  |
| 4 oz travel size, each  | AS4HD  |
| 16 oz pump bottle, each | AS16HD |

## Alpet D2 Surface Sanitizer

Effective against norovirus, avian influenza H9N2 and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1.

### Spray

|         |           |
|---------|-----------|
| 12/case | SS1000312 |
|---------|-----------|

### Wipes

|                         |         |
|-------------------------|---------|
| 160 wipes per canister, |         |
| 6 canisters per case    | SSW0002 |

## Castile Soap Towelettes

Ideal for midstream clean-catch urine specimen procedures. Individual foil packets, 2 x 2.25 inches.

|             |        |
|-------------|--------|
| 100 pads/bx | D41900 |
|-------------|--------|



AloeSafe™ Hand Sanitizer Gel, Cat no. AS16HD

## CaviCide® Disinfectant and Cleaner

A ready-to-use, intermediate-level disinfectant with detergent which is effective against TB, viruses (including HIV, HBV, Herpes, hydrophilic, and lipophilic), bacteria (including *Salmonella*, MRSA, and VRE), and fungi.

|                   |        |
|-------------------|--------|
| 2 oz, each        | 131002 |
| 8 oz, each        | 131008 |
| 1 gallon, each    | 131000 |
| 2.5 gallons, each | 131025 |

## DisCide® Ultra Towelettes

Disinfecting towelettes impregnated with a second-generation dual-chain quaternary ammonium and isopropyl alcohol. Clinically proven to kill microorganisms on hard, inanimate, nonporous surfaces, reducing the risk of cross-contamination in one minute or less.

|                |       |
|----------------|-------|
| 60/pop-up jar  | 10DIS |
| 160/pop-up jar | 60DIS |

## Erada-Stain™ Stain Remover

A very mild cream cleaner/stain remover. It is effective on most histological dyes, tinctures, general laboratory chemicals, and removes Wright's stain and most other medical stains.

|            |      |
|------------|------|
| 6 oz, each | 2066 |
|------------|------|

## Smart-San™ Hand Sanitizer

This ethanol-based spray with emollients keeps hands soft. Fragrance free, rated to kill 99.99% of Gram-negative and positive bacteria. Requires pump, sold separately.

|                          |          |
|--------------------------|----------|
| 6 x 1L bottles           | SMA0016U |
| Pump, each               | JPP10007 |
| Replacement Spigot, each | KT10011  |



# HARDY DIAGNOSTICS

*A Culture of Service™*



40 Years of  
Bringing You  
A Culture of Service



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Employee Owned

ESTABLISHED  
**1980**

MADE IN  
**USA**



Hardy Diagnostics  
donates 1% of each  
sale to charity.



FM 572526

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

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