

Product Catalog

FOR THE MICROBIOLOGY DIAGNOSTIC LABORATORY

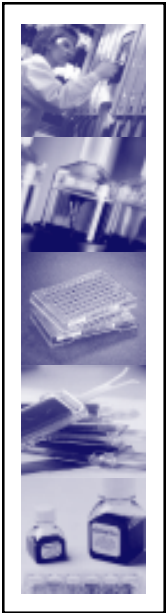
**VERSATREK® AUTOMATED MICROBIAL
DETECTION SYSTEM**

PARA-JEM® SYSTEM

SENSITITRE® MICROBIOLOGY SYSTEMS

ONSITE® URINE CULTURE DEVICE

**ALAMARBLUE® COLORMETRIC GROWTH
INDICATOR DYE**



It is with pleasure that we provide you with our catalog of automated systems and consumable products for the microbiology diagnostic laboratory. We invite you to take a few minutes to browse through the catalog for detailed information about our product portfolio:

- **VersaTREK® Automated Microbial Detection System** - Offering VorTrexing™ agitation and four tests in one system (blood culture testing, sterile body fluid culturing, mycobacterial detection and *M.tb* susceptibility testing), the VersaTREK system is the answer to the clinical microbiologists' need for a versatile and reliable automated system.
- **para-JEM® System** - Provides convenient kit packaging, proven technology, and reliable results in the fight against Johne's Disease.
- **Sensititre® Microbiology Systems** - The leader in antimicrobial resistance detection and monitoring and the product of choice for clinical trials and surveillance programs worldwide.
- **onSite® Urine Culture Device** - The only device that combines the sensitivity and specificity of the traditional urine culture method with the convenience and efficiency of a unique new design.
- **alamarBlue®** - The proprietary indicator reagent formulated to measure the proliferation of a variety of human or animal cells, bacteria, mycobacteria, or fungi.

Customer Service:

800-871-8909

Technical Support:

800-642-7029 (24 hours)

Our mission of performance and excellence is backed by a commitment to research, development, quality manufacturing, and customer service. With a dedication to microbiology, TREK Diagnostic Systems has gathered a global team of scientists, sales, service, and operations professionals to work in partnership with our microbiology customers to provide innovative solutions for better patient care.

Our Customer Service and Technical Support teams are on call to answer your product questions and to manage your product support requirements.

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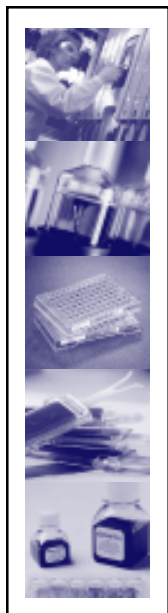
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VersaTREK®

VersaTREK® Automated Microbial Detection System



The VersaTREK Automated Microbial Detection System provides strength in simplicity as the ONLY instrument able to perform four tests on one platform (blood, sterile body fluids, mycobacteria detection and *M.tb* susceptibility testing). The enhanced two-bottle media system is ideal for all patient populations, eliminating the need for specialty media for pediatrics. It is also ideal for low volume draws or patients on antibiotics. The VersaTREK system is truly the answer to the clinical microbiologist's need for a versatile, reliable and uncomplicated instrument.

VersaTREK's comprehensive detection system measures both gas consumption and production. This unique detection technology means no limitations exist for low CO₂ producing organisms! In addition, high white counts do not interfere with detection.

At the heart of every blood culture system is the media. With VersaTREK's enhanced two-bottle media system (REDOX® 1 for aerobic microorganisms and REDOX 2 for anaerobic microorganisms) the microbiology laboratory will experience efficiency in phlebotomy, cost savings and simplicity in inventory control. The system also incorporates an exclusive VorTrexing™ agitation method for thorough oxygenation of aerobic bottles.

Reduce sharps and decrease contamination with the only FDA-cleared true direct draw bottle, EZ Draw®. Additional safety features incorporated into the VersaTREK media system assist in minimizing breakage, sharps exposure and aerosolization.

The unparalleled VersaTREK Windows Software offers One-Touch rapid access to patient information, reports and data retrieval. No need to back-up information as this is performed automatically every day. Schedule data management reports in the Task Scheduler to run when you want them!

VersaTREK Instruments

TREK put the customer signature on the VersaTREK automated detection instrument. Designed for versatility and ease-of-use, the VersaTREK Instrument is the best solution for the demanding challenges of the diagnostic laboratory.

- Enhanced ergonomics and convenient bottle management provide optimal staff efficiency and convenience
- **Any Bottle** anywhere **Concept** affords maximum instrument utilization ... as simple as **ABC!**
- On-board color LCD screen provides one touch access to bottles, graphs, and patient information
- Intelligent design, utilizing VorTrexing™ agitation, delivers the best media and instrument combination
- Modular design accommodates the laboratory's changing capacity requirements



Note: Equipment specifications can be found on page 4 and 5.

CAT #	PRODUCT DESCRIPTION
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VersaTREK 240 Model

6240-04	VersaTREK 240 with 4 drawers (96 bottle capacity)
6240-06	VersaTREK 240 with 6 drawers (144 bottle capacity)
6240-08	VersaTREK 240 with 8 drawers (192 bottle capacity)
6240-10	VersaTREK 240 with 10 drawers (240 bottle capacity)
6240-04M	VersaTREK 240 Myco-only Model with 4 drawers (96 bottle capacity)
6240-06M	VersaTREK 240 Myco-only Model with 6 drawers (144 bottle capacity)
6240-08M	VersaTREK 240 Myco-only Model with 8 drawers (192 bottle capacity)
6240-10M	VersaTREK 240 Myco-only Model with 10 drawers (240 bottle capacity)

VersaTREK 528 Model

6528-14	VersaTREK 528 with 14 drawers (336 bottle capacity)
6528-16	VersaTREK 528 with 16 drawers (384 bottle capacity)
6528-18	VersaTREK 528 with 18 drawers (432 bottle capacity)
6528-20	VersaTREK 528 with 20 drawers (480 bottle capacity)
6528-22	VersaTREK 528 with 22 drawers (528 bottle capacity)
6528-14M	VersaTREK 528 Myco-only Model with 14 drawers (336 bottle capacity)
6528-16M	VersaTREK 528 Myco-only Model with 16 drawers (384 bottle capacity)
6528-18M	VersaTREK 528 Myco-only Model with 18 drawers (432 bottle capacity)
6528-20M	VersaTREK 528 Myco-only Model with 20 drawers (480 bottle capacity)
6528-22M	VersaTREK 528 Myco-only Model with 22 drawers (528 bottle capacity)

Note: Systems may be configured as combination instruments for blood culture, mycobacteria detection, and *M.tb* susceptibility.

VersaTREK Instrument Accessories

6020-30	VersaTREK 240 cart
6030-30	VersaTREK drawer, left
6031-30	VersaTREK drawer, right
6040-30	VersaTREK Myco bottle adaptor, 25/box
6042-30	VersaTREK bottle replacement module
6044-30	Red Disable Location Caps, each
6400-30	VersaTREK Operator Manual (CD)
6423-30	Myco Rack, 24-position
6424-30	Bottle Carry Rack (blood culture)
6428-30	REDOX® Transporter, 10/box
6440-30	Thermometer
6420-30	VersaTREK Stylus, 4/pack
6422-30	VersaTREK Stylus Holder
6430-30	VersaTREK Remote Alarm



VersaTREK Windows Software

VersaTREK Windows-based Software offers efficient workflow, smooth processing, rapid access to patient care information and improved data retrieval. It is legacy compatible with the VersaTREK System. Compatible with current LIS interfaces, the system performs on a Windows XP Professional platform, allows the efficiency of ETHERNET networking, and incorporates the functionality of extensive patient data management reports, including workload, contaminants, positives/negatives, culture summaries and more.

CAT #	PRODUCT DESCRIPTION
6100-30	Windows® Computer

VersaTREK Windows Software

6110-31	VersaTREK Computer Package - Standard with 17" monitor
6132-30	Microsoft Access XP
6134-30	Symantec PC anywhere
6140-30	Monitor, 17" LCD touch screen
6150-30	Printer, HP Laser Jet
6152-30	Printer cable, 6', USB 2.0 A/B
6159-30	Ethernet Switch, 8-port
6168-30	External 8-port USB serial box
6171-30	Cable, CASTe Snagless Patch, 7'

VersaTREK REDOX Media

VersaTREK microbial detection media are based on enhanced media formulations that deliver unparalleled versatility, broad range recoverability, unique growth response curves, reliability, and simple ease-of-use.

- Enhanced versatile media system consists of two formulations: REDOX 1 (aerobic) and REDOX 2 (anaerobic) media.
- Unique media promotes gas production and consumption.
- Novel VorTrexing action motion provides an agitation that improves oxygenation of REDOX 1 aerobic bottles for more effective organism detection.
- Timing and dilution to detect microbes instead of costly specialized additive media.
- Media provides an optimum blood-to-broth ratio to minimize the inhibitory effects of host blood factors, antimicrobials, and other agents.

CAT #	PRODUCT DESCRIPTION
7102-44	VersaTREK REDOX 1 80 ml with Stir Bar, 50/case
7103-44	VersaTREK REDOX 2 80 ml, 50/case
7106-44	VersaTREK REDOX 1 EZ Draw 40 ml with Stir Bar, 50/case
7107-44	VersaTREK REDOX 2 EZ Draw 40 ml, 50/case
7110-44	VersaTREK REDOX 2M* EZ Draw 40 ml, 50/case

*Anaerobic bottle for manual use.



CAT #	PRODUCT DESCRIPTION
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VersaTREK Media Accessories

7150-44	VersaTREK Connectors, 50/box
6040-30	VersaTREK Myco Bottle Adaptors, 25/box
6423-30	Bottle Carry Rack (Myco Bottles)
6424-30	Bottle Carry Rack (Blood Culture Bottles)
6428-35	VersaTREK REDOX Transporter, 10 per pack
6450-35	VersaTREK EZ-ID labels, 100 per pack

VersaTREK Mycobacteria Detection and *M.tuberculosis* Susceptibility Testing

Only one formulation is needed for detection and recovery of mycobacteria from *all* samples (e.g. sputum, blood, tissue, urine, etc.). The same technology is utilized to measure changes in headspace pressure. Patented cellulose sponge material provides a solid matrix and a greater surface area for growth. Direct probe testing is FDA cleared. The VersaTREK Myco Susceptibility Kit is an automated system for *Mycobacterium tuberculosis* testing. The kit includes Rifampin, Isoniazid, and Ethambutol and provides reagents for 80 tests.

CAT #	PRODUCT DESCRIPTION
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7111-42	VersaTREK Myco - Modified Middlebrook 7H9 Broth w/Compressed Cellulose Sponges - 11.5ml, 50/case
7112-42	VersaTREK Myco GS Growth Supplement, 50ml, 5/box
7113-42	VersaTREK Myco PVNA (Polymyxin B, Vancomycin, Nalidixic Acid, Amphotericin B), 25ml, 5/box
7114-42	VersaTREK Myco AS Antibiotic Supplement, 25ml, 5/box
7115-60	VersaTREK Myco Susceptibility Kit: 2x25ml Rifampin; 2x 25ml Isoniazid; 3x25ml Ethambutol
7116-70	VersaTREK Myco PZA Kit: 2x25ml Pyrazinamide, 4x25ml PZA Rehydration Buffer
7120-30	VersaTREK Myco Streptomycin, 1/box (CE marked*)
6040-30	VersaTREK Myco Bottle Adaptor, 25/box

Specifications and Power Requirements

VersaTREK 240 Model

Height	40.25 in	103 cm
Width	52 in	132 cm
Depth	30.625 in	78 cm
Empty Weight	669 lbs	304 kg
Fully Loaded Weight	779 lbs	354 kg

*Not for sale in the U.S.



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Information listed herein is subject to change without notice.

VersaTREK 240 Model

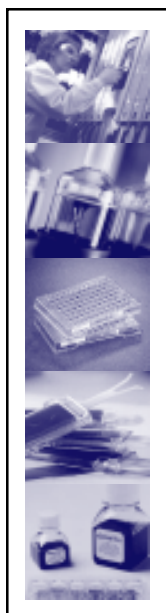
Power requirements	100-120 Volts, AC 10 Amperes, 50-60 Hz; Circuit required is 15 Ampere, dedicated line.	220-240 Volts, AC 5 Amperes, 50-60 Hz; Circuit required is 15 Ampere, dedicated line.
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VersaTREK 528 Model

Height	76.25 in	194 cm
Width	52 in	132 cm
Depth	30.625 in	78 cm
Empty Weight	1,236 lbs	561 kg
Fully Loaded Weight	1,481 lbs	673 kg
Power requirements	100-120 Volts, AC 10 Amperes, 50-60 Hz; Circuit required is 15 Ampere, dedicated line.	220-240 Volts, AC 5 Amperes, 50-60 Hz; Circuit required is 15 Ampere, dedicated line.



VersaTREK System for Veterinary Diagnostics- *para-JEM*[®]



para-JEM[®] System

para-JEM[®] Detection of *Mycobacterium avium* subsp. *paratuberculosis* on VersaTREK

The automated liquid culture leader in Johnes disease, TREK brings ease of use and unparalleled Windows[®]-based *para-JEM* software to the veterinary laboratory.

The VersaTREK *para-JEM* System combines a proprietary reagent medium, growth supplements, and primary antibiotics with a detection system that automatically incubates and continuously monitors culture bottles inoculated with isolates from various specimen sources.

CAT #	PRODUCT DESCRIPTION
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Reagents

7131-42	<i>para-JEM</i> Broth, 10.5ml, 50/case
7132-42	<i>para-JEM</i> GS Growth Supplement, 50ml, 5/box
7133-42	<i>para-JEM</i> AS Antibiotic Supplement with agent, 25ml, 5/box
7134-42	<i>para-JEM</i> EYS Egg Yolk Supplement, 50ml, 5/box
7137-42	<i>para-JEM</i> [®] w/B ^L U ^E 250 Kit - Includes broth, supplements and primary antibiotic for approximately 250 tests: 250 bottles <i>para-JEM</i> Broth, 5x50ml bottles <i>para-JEM</i> GS, 5x25ml bottles <i>para-JEM</i> AS, 5x50ml bottles <i>para-JEM</i> EYS, <i>para-JEM</i> B ^L U ^E and 250 connectors
7150-44	VersaTREK Connector, 50/box
6423-30	<i>para-JEM</i> Bottle Carry Rack
00-030	<i>para-JEM</i> B ^L U ^E , 15ml

VersaTREK System for Veterinary Applications

The VersaTREK *para*-JEM System is available in a custom configuration designed for the veterinary microbiology laboratory. The system is designed to accommodate from 96, up to 528 tests to meet the testing requirements of each lab. The system's closed design allows for the safe handling of all specimens throughout the laboratory.

CAT #	PRODUCT DESCRIPTION
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Instruments and Accessories

6240-04M	VersaTREKM 240 w/ 4 drawers
6240-06M	VersaTREKM 240 w/ 6 drawers
6240-08M	VersaTREKM 240 w/ 8 drawers
6240-10M	VersaTREKM 240 w/ 10 drawers
6528-14M	VersaTREKM 528 w/ 14 drawers
6528-16M	VersaTREKM 528 w/ 16 drawers
6528-18M	VersaTREKM 528 w/ 18 drawers
6528-20M	VersaTREKM 528 w/ 20 drawers
6528-22M	VersaTREKM 528 w/ 22 drawers
6400-30	VersaTREK Operator's Manual
6020-30	Cart for VersaTREK 240 model
SW1000	Printer, Barcode
SW1101	Labels, <i>para</i> -JEM Barcode, 1310/RL
6040-30	VersaTREK Myco Adapters, 25/box
6423-30	Rack; <i>para</i> -JEM, 24-position

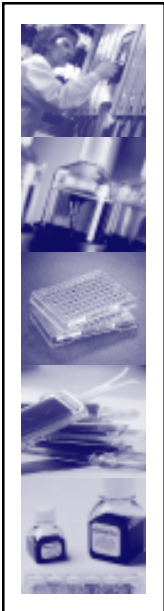
para-JEM® Windows Software

User-friendly, intuitive *para*-JEM Windows Software simplifies the fight against Johne's Disease.

6110-31	VersaTREK Computer Package, clinical/vet
6411-30	<i>para</i> -JEM Operator's Manual (CD)
6128-31	VersaTREK PC Kit, international



Sensititre® Microbiology Systems



The Sensititre Microbiology System combines a history of development and manufacturing expertise with the most cost-effective and flexible approach to customized susceptibility and identification testing available today.

The Sensititre System is the recognized leader in antimicrobial resistance detection and monitoring worldwide and is the product of choice for clinical trials and global surveillance programs. Through collaboration with all major pharmaceutical companies, the Sensititre System can offer the earliest availability and widest choice of antimicrobics for both standard and user-defined custom plates. Plates are precision dosed and vacuum dried for accurate antimicrobial stability with reproducible MIC results. Because plates are dosed with antimicrobics only, each laboratory can choose the

appropriate Sensititre broth for testing, allowing the same plate design to be used for multiple protocols. Eighteen to 24-month room temperature storage extends Sensititre plate convenience for the laboratory.

The Sensititre Microbiology System is designed to provide flexible instrumentation options for the diagnostic laboratory. Changes in test volume or budgetary requirements are easily addressed by Sensititre's modular equipment configuration. Instrumentation is designed to manually, semi-automatically, or automatically incubate and read the full range of Sensititre susceptibility and identification plates.

Standard Identification Plates

Sensititre autoidentification plates are *in vitro* diagnostic products developed to provide organism identification for the most common aerobic Gram-negative and Gram-positive bacteria.

- Presumptive ID of Gram-negative organisms can be obtained in five hours; identification to species level for both Gram-negatives and Gram-positives can be obtained after overnight incubation.
- Each test plate is designed to identify three separate organisms.

CAT #	PRODUCT DESCRIPTION
GNID	Gram-Negative Identification, 10/box
GPID	Gram-Positive Identification, 10/box

For use with Sensititre AutoReader or Sensititre ARIS® 2X systems

Standard Identification Plate Layouts

GNID - Gram-Negative Identification

Biochemical Reagents

TDA	Tryptophan Deaminase
FR	Fluorogenic Reagent
FR1	Lysine 7AMC
FR3	4MU Phosphate
FR4	4MU Alpha-D-Glucopyranoside
FR5	Proline 7AMC
FR6	4MU Alpha-D-Galactopyranoside
FR7	Gamma-Glutamine 7AMC
FR8	4MU Bis-Phosphate
FR9	4MU Beta-D-Glucuronide
FR10	4MU Beta-D-Galactopyranoside
FR12	4MU 2-Acetamido-2-Deoxyglucopyranoside Plus 4MU Alpha-L-Arabinopyranoside

4MU represents 4 methyl umbelliferone
7AMC represents 7 methyl coumarin amide

	1	2	3	4	5	6	7	8	9	10	11	12
A	FR1*	UREA*	ORNITHINE	SORBITOL	FR1*	UREA*	ORNITHINE	SORBITOL	FR1*	UREA*	ORNITHINE	SORBITOL
B	XYLOSE	FR12	SUCROSE	FR9	XYLOSE	FR12	SUCROSE	FR9	XYLOSE	FR12	SUCROSE	FR9
C	FR3	TREHALOSE	FR8	MANNITOL	FR3	TREHALOSE	FR8	MANNITOL	FR3	TREHALOSE	FR8	MANNITOL
D	MALTOSE	FR4	INOSITOL	FR10	MALTOSE	FR4	INOSITOL	FR10	MALTOSE	FR4	INOSITOL	FR10
E	FR5	FRUCTOSE	AESCULIN	ARABITOL	FR5	FRUCTOSE	AESCULIN	ARABITOL	FR5	FRUCTOSE	AESCULIN	ARABITOL
F	ARABINOSE	LYSINE	TDA	RAFFINOSE	ARABINOSE	LYSINE	TDA	RAFFINOSE	ARABINOSE	LYSINE	TDA	RAFFINOSE
G	FR7	ARGININE	FR6	CELLOBIOSE	FR7	ARGININE	FR6	CELLOBIOSE	FR7	ARGININE	FR6	CELLOBIOSE
H	MALONATE	PYRUVATE	CITRATE	AGMATINE	MALONATE	PYRUVATE	CITRATE	AGMATINE	MALONATE	PYRUVATE	CITRATE	AGMATINE

*FR1 AND UREA REQUIRE AN OIL OVERLAY OF STERILE MINERAL OIL

GPID - Gram-Positive Identification

Biochemical Reagents

FR13	4MU Beta-D-Galactopyranoside
FR16	4MU Beta-D-Ribofuranoside
FR15	Alanine 7AMC
FR14	4MU Beta-D-Glucopyranoside
FR17	D-Alanine 7AMC
FR18	4MU Beta-D-Mannopyranoside
FR19	Ornithine 7AMC
FR20	Arginine 7AMC
FR21	4MU Beta-D-Glucuronide
FR22	4MU Alpha-D-Glucopyranoside
FR23	Cysteine 7AMC
FR24	Threonine 7AMC
FR25	Methionine 7AMC
FR26	Proline 7AMC
FR27	Serine 7AMC
FR28	Citrulline 7AMC
FR29	Pyroglutamate 7AMC
FR30	Tyrosine 7AMC
FR31	Leucine 7AMC
FR32	Valine 7AMC

4MU represents 4 methyl umbelliferone
7AMC represents 7 methyl coumarin amide

	1	2	3	4	5	6	7	8	9	10	11	12
A	UREAS*	AESCULIN	ARGININE	FR13	UREASE*	AESCULIN	ARGININE	FR13	UREASE*	AESCULIN	ARGININE	FR13
D	FR16	RHAMNOSE	FR15	MANNITOL	FR16	RHAMNOSE	FR15	MANNITOL	FR16	RHAMNOSE	FR15	MANNITOL
C	FR14	TREHALOSE	FR17	MALTOSE	FR14	TREHALOSE	FR17	MALTOSE	FR14	TREHALOSE	FR17	MALTOSE
D	FR18	FR19	FR20	FR21	FR18	FR19	FR20	FR21	FR18	FR19	FR20	FR21
E	FR22	FR23	GLYCEROL	FR24	FR22	FR23	GLYCEROL	FR24	FR22	FR23	GLYCEROL	FR24
F	FR25	GLUCOSE	SUCROSE	FR26	FR25	GLUCOSE	SUCROSE	FR26	FR25	GLUCOSE	SUCROSE	FR26
G	FR27	BMETHYLGLUCOSIDE	FR28	FR29	FR27	BMETHYLGLUCOSIDE	FR28	FR29	FR27	BMETHYLGLUCOSIDE	FR28	FR29
H	SORBITOL	FR30	FR31	FR32	SORBITOL	FR30	FR31	FR32	SORBITOL	FR30	FR31	FR32

*UREA REQUIRES AN OIL OVERLAY OF STERILE MINERAL OIL

Information listed herein is subject to change without notice.

Standard Susceptibility Plates

The Sensititre System offers a full range of standard 96-well microtitre plates for susceptibility testing. MIC plates provide maximum precision and end-point accuracy to track antimicrobial resistance.

- Because Sensititre susceptibility plates contain only antimicrobics, each laboratory can choose the appropriate Sensititre broth for testing, allowing the same panel design to be used for multiple protocols.
- Unique vacuum drying provides greater antimicrobial stability than frozen systems; possible loss of antimicrobial potency due to thawing is eliminated.
- 18 to 24-month shelf life and room temperature storage extends plate convenience.

CAT #	PRODUCT DESCRIPTION
ANO2B†	Anaerobic MIC Plate, 10/box
CAMPY†	Campylobacter MIC Plate, 10/box
ESB1F	ESBL Confirmatory MIC Plate with Substrates in Wells, 10/box
GN2F	Gram Negative MIC Plate with Substrates in Wells, 10/box
GN3F	Gram Negative MIC Plate with Substrate in Wells, 10/box
GNUR2F	Gram Negative triple isolate urine Plate with substrate in wells, 10/box
GNXF†	Gram Negative MIC Plate with Substrate in Wells, 10/box
GPN3F	Gram Positive MIC with Substrates in Wells, 10/box
GPALL1F	Gram Positive MIC Plate (with D-Test and Cefoxitin Screen) with Substrate in Wells, 10/box
HPB	Haemophilus/ <i>Streptococcus pneumoniae</i> , 10/box <i>Haemophilus testing requires T3462-05 Mueller-Hinton Broth 5 ml Fill and T3470 HTM Broth; Streptococcus pneumoniae testing requires T3462-05 Mueller-Hinton Broth 5 ml Fill and CP112-10 Mueller-Hinton Broth with Lysed Horse Blood.</i>
SLOMYCO†	Mycobacteria Slow Growers MIC Plate, 10/box <i>Requires T3339 Demineralized Water and T8005 Cation Adjusted Muller-Hinton Broth with OADC Growth Supplement.</i>
NF	Gram-Negative MIC Plate, 10/box
RAPMYCO†	Mycobacteria Rapid Growers MIC Plate, 10/box <i>Requires T3339 Demineralized Water and T3462 Cation Adjusted Mueller-Hinton Broth.</i>
STP6F	<i>Streptococcus</i> spp. MIC Plate with Substrates in Wells, 10/box <i>Requires T3462-05 Mueller-Hinton Broth 5 ml Fill and CP112-10 Mueller-Hinton Broth with Lysed Horse Blood 11 ml.</i>
YO-2V	YeastOne® Plate for <i>in vitro</i> diagnostic use, 10/box <i>Requires Y3462 YeastOne Broth and T3339 Demineralized Water</i>
YO-9†	YeastOne Plate with Micafungin and Anidulafungin for research use only, 10/box <i>Requires Y3462 YeastOne Broth and T3339 Demineralized Water</i>

† For research use only. Not yet available for sale in the US for *in vitro* diagnostic use.



Standard Susceptibility Plate Layouts

*AN02B – Anaerobic MIC Plate

Antimicrobics		Dilution Range
A/S	Ampicillin/sulbactam	0.5/0.25 - 16/8
AUG	Amoxicillin/clavulanic acid	0.5/0.25 - 16/8
AMP	Ampicillin	0.5 - 16
TANS	Cefotetan	4 - 64
FOX	Cefoxitin	1 - 32
CHL	Chloramphenicol	2 - 64
CLI	Clindamycin	0.25 - 8
IMI	Imipenem	0.12 - 8
MERO	Meropenem	0.5 - 8
MRD	Metronidazole	0.5 - 16
MEZ	Mezlocillin	4 - 128
PEN	Penicillin	0.06 - 4
PIP	Piperacillin	4 - 128
P/T	Piperacillin/tazobactam	0.25/4 - 128/4
TET	Tetracycline	0.25 - 8
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	A/S 0.5/0.25	A/S 1/0.5	A/S 2/1	A/S 4/2	A/S 8/4	A/S 16/8	AUG 0.5/0.25	AUG 1/0.5	AUG 2/1	AUG 4/2	AUG 8/4	AUG 16/8
B	TANS 4	TANS 8	TANS 16	TANS 32	TANS 64	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4
C	IMI 0.12	IMI 0.25	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	MERO 0.5	MERO 1	MERO 2	MERO 4	MERO 8
D	CLI 0.25	CLI 0.5	CLI 1	CLI 2	CLI 4	CLI 8	FOX 1	FOX 2	FOX 4	FOX 8	FOX 16	FOX 32
E	MRD 0.5	MRD 1	MRD 2	MRD 4	MRD 8	MRD 16	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	CHL 64
F	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	AMP 16	PIP 4	PIP 8	PIP 16	PIP 32	PIP 64	PIP 128
G	TET 0.25	TET 0.5	TET 1	TET 2	TET 4	TET 8	MEZ 4	MEZ 8	MEZ 16	MEZ 32	MEZ 64	MEZ 128
H	P/T 0.25/4	P/T 0.5/4	P/T 1/4	P/T 2/4	P/T 4/4	P/T 8/4	P/T 16/4	P/T 32/4	P/T 64/4	P/T 128/4	POS	POS

*CAMPY - Campylobacter MIC Plate

Antimicrobics		Dilution Range
AZI	Azithromycin	0.15 - 64
CIP	Ciprofloxacin	0.15 - 64
ERY	Erythromycin	0.03 - 64
GEN	Gentamicin	0.12 - 32
TET	Tetracycline	0.06 - 64
FFN	Florfenicol	0.03 - 64
NAL	Nalidixic Acid	4 - 64
TEL	Telithromycin	0.015 - 8
CLI	Clindamycin	0.03 - 16
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	AZI 0.015	AZI 0.03	AZI 0.06	AZI 0.12	AZI 0.25	AZI 0.5	AZI 1	AZI 2	AZI 4	AZI 8	AZI 16	AZI 32
B	AZI 64	CIP 0.015	CIP 0.03	CIP 0.06	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8	CIP 16
C	CIP 32	CIP 64	ERY 0.03	ERY 0.06	ERY 0.12	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	ERY 8	ERY 16
D	ERY 32	ERY 64	GEN 0.12	GEN 0.25	GEN 0.5	GEN 1	GEN 2	GEN 4	GEN 8	GEN 16	GEN 32	TET 0.06
E	TET 0.12	TET 0.25	TET 0.5	TET 1	TET 2	TET 4	TET 8	TET 16	TET 32	TET 64	FFN 0.03	FFN 0.06
F	FFN 0.12	FFN 0.25	FFN 0.5	FFN 1	FFN 2	FFN 4	FFN 8	FFN 16	FFN 32	FFN 64	NAL 4	NAL 8
G	NAL 16	NAL 32	NAL 64	TEL 0.015	TEL 0.03	TEL 0.06	TEL 0.12	TEL 0.25	TEL 0.5	TEL 1	TEL 2	TEL 4
H	TEL 8	CLI 0.03	CLI 0.06	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	CLI 2	CLI 4	CLI 8	CLI 16	POS



Standard Susceptibility Plate Layouts

ESB1F - ESBL Confirmatory MIC Plate

Antimicrobics		Dilution Range
FAZ	Cefazolin	8 - 16
FEP	Cefepime	1- 16
FOX	Cefoxitin	4 - 64
MERO	Meropenem	1 - 8
CEP	Cephalothin	8 - 16
POD	Cefpodoxime	0.5 - 64
AXO	Ceftriaxone	1 - 128
CIP	Ciprofloxacin	1 - 2
GEN	Gentamicin	4 - 16
AMP	Ampicillin	8 - 16
IMI	Imipenem	0.5 - 16
P/T	Piperacillin/Tazobactam	4/4 - 64/4
TAZ	Ceftazidime	0.25 - 128
T/C	Ceftazidime/Clavulanic Acid	0.25/4 - 128/4
FOT	Cefotaxime	0.25 - 64
F/C	Cefotaxime/Clavulanic Acid	0.25/4 - 64/4
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	AXO 1	AXO 2	AXO 4	AXO 8	AXO 16	AXO 32	AXO 64	AXO 128	MERO 1	MERO 2	MERO 4	MERO 8
B	CEP 8	CEP 16	POD 0.25	POD 0.5	POD 1	POD 2	POD 4	POD 8	POD 16	POD 32	CIP 1	CIP 2
C	FOT 0.25	FOT 0.5	FOT 1	FOT 2	FOT 4	FOT 8	FOT 16	FOT 32	FOT 64	GEN 4	GEN 8	GEN 16
D	F/C 0.12/4	F/C 0.25/4	F/C 0.5/4	F/C 1/4	F/C 2/4	F/C 4/4	F/C 8/4	F/C 16/4	F/C 32/4	F/C 64/4	AMP 8	AMP 16
E	TAZ 0.25	TAZ 0.5	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16	TAZ 32	TAZ 64	TAZ 128	FAZ 8	FAZ 16
F	T/C 0.12/4	T/C 0.25/4	T/C 0.5/4	T/C 1/4	T/C 2/4	T/C 4/4	T/C 8/4	T/C 16/4	T/C 32/4	T/C 64/4	T/C 128/4	POS
G	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMI 16	P/T 4/4	P/T 8/4	P/T 16/4	P/T 32/4	P/T 64/4	POS
H	FEP 1	FEP 2	FEP 4	FEP 8	FEP 16	FOX 4	FOX 8	FOX 16	FOX 32	FOX 64	NEG	POS

GN2F - Gram-Negative MIC Plate

Antimicrobics		Dilution Range
AMI	Amikacin	8 - 64
AMP	Ampicillin	4 - 32
A/S2	Ampicillin / sulbactam	4/2 - 32/16
AZT	Aztreonam	8 - 32
FAZ	Cefazolin	4 - 32
FEP	Cefepime	4 - 32
TANS	Cefotetan Na	8 - 32
AXO	Ceftriaxone	1 - 64
TAZ	Ceftazidime	1 - 32
FOX	Cefoxitin	4 - 32
FUR	Cefuroxime	4 - 32
CIP	Ciprofloxacin	0.5 - 4
GEN	Gentamicin	2 - 16
IMI	Imipenem	2 - 16
GAT	Gatifloxacin	1 - 8
MERO	Meropenem	1 - 8
PIP	Piperacillin	16 - 128
NIT	Nitrofurantoin	16 - 128
P/T4	Piperacillin / tazobactam	16/4 - 128/4
TIM2	Ticarcillin / clavulanic acid	16/2 - 64/2
TOB	Tobramycin	4 - 8
SXT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - -4/76
POD	Cefpodoxime	2 - 16
NEG	Negative Control	
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 64	A/S 32/16	FAZ 16	TANS 16	AXO 1	FUR 16	GAT 4	GEN 8	NIT 64	PIP 64	TIM 64/2	TOB 8
B	AMI 32	A/S 16/8	FAZ 8	TANS 8	TAZ 32	FUR 8	GAT 2	GEN 4	NIT 32	PIP 32	TIM 32/2	TOB 4
C	AMI 16	A/S 8/4	FAZ 4	AXO 64	TAZ 16	FUR 4	GAT 1	GEN 2	NIT 16	PIP 16	TIM 16/2	POD 16
D	AMI 8	A/S 4/2	FEP 32	AXO 32	TAZ 8	CIP 4	MERO 8	IMI 16	FOX 32	P/T 128/4	SXT 4/76	POD 8
E	AMP 32	AZT 32	FEP 16	AXO 16	TAZ 4	CIP 2	MERO 4	IMI 8	FOX 16	P/T 64/4	SXT 2/38	POD 4
F	AMP 16	AZT 16	FEP 8	AXO 8	TAZ 2	CIP 1	MERO 2	IMI 4	FOX 8	P/T 32/4	SXT 1/19	POD 2
G	AMP 8	AZT 8	FEP 4	AXO 4	TAZ 1	CIP 0.5	MERO 1	IMI 2	FOX 4	P/T 16/4	SXT 0.5/9.5	NEG
H	AMP 4	FAZ 32	TANS 32	AXO 2	FUR 32	GAT 8	GEN 16	NIT 128	PIP 128	POS	POS	POS



Standard Susceptibility Plate Layouts

GN3F - Gram-Negative MIC Plate

Antimicrobics		Dilution Range
AMI	Amikacin	8 - 64
AMP	Ampicillin	4 - 32
A/S	Ampicillin/sulbactam	4/2 - 32/16
AZT	Aztreonam	4 - 32
FAZ	Cefazolin	4 - 32
FEP	Cefepime	4 - 32
CEP	Cephalothin	2 - 16
MERO	Meropenem	1 - 8
ETP	Ertapenem	2 - 16
FUR	Cefuroxime	4 - 32
GEN	Gentamicin	2 - 16
CIP	Ciprofloxacin	0.5 - 4
P/T4	Piperacillin/tazobactam constant 4	16/4 - 128/4
FOX	Cefoxitin	4 - 32
SXT	Trimethoprim/sulfamethoxazole	0.5/9.5 - 4/76
POD	Cefpodoxime	2 - 16
TAZ	Ceftazidime	1 - 32
TOB	Tobramycin	4 - 8
TGC	Tigecycline	1 - 8
TIM2	Ticarcillin/clavulanic acid constant 2	16/2 - 64/2
AXO	Ceftriaxone	1 - 64
TET	Tetracycline	0.5 - 16
NEG	Negative Control	
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 64	A/S 32/16	FAZ 32	CEP 16	ETP 16	GEN 16	P/T4 128/4	SXT 4/76	TAZ 32	TGC 8	AXO 64	TET 16
B	AMI 32	A/S 16/8	FAZ 16	CEP 8	ETP 8	GEN 8	P/T4 64/4	SXT 2/38	TAZ 16	TGC 4	AXO 32	TET 8
C	AMI 16	A/S 8/4	FAZ 8	CEP 4	ETP 4	GEN 4	P/T4 32/4	SXT 1/19	TAZ 8	TGC 2	AXO 16	TET 4
D	AMI 8	A/S 4/2	FAZ 4	CEP 2	ETP 2	GEN 2	P/T4 16/4	SXT 0.5/9.5	TAZ 4	TGC 1	AXO 8	TET 2
E	AMP 32	AZT 32	FEP 32	MERO 8	FUR 32	CIP 4	FOX 32	POD 16	TAZ 2	TIM2 64/2	AXO 4	TET 1
F	AMP 16	AZT 16	FEP 16	MERO 4	FUR 16	CIP 2	FOX 16	POD 8	TAZ 1	TIM2 32/2	AXO 2	TET 0.5
G	AMP 8	AZT 8	FEP 8	MERO 2	FUR 8	CIP 1	FOX 8	POD 4	TOB 8	TIM2 16/2	AXO 1	NEG CON
H	AMP 4	AZT 4	FEP 4	MERO 1	FUR 4	CIP 0.5	FOX 4	POD 2	TOB 4	POS CON	POS CON	POS CON

GNUR2F - Gram-Negative MIC/breakpoint Plate

Antimicrobics		Dilution Range
AMP	Ampicillin	8 - 32
SXT	Trimethoprim / sulfamethoxazole	0.5/9.5 - 4/76
NIT	Nitrofurantoin	32 - 128
CIP	Ciprofloxacin	1 - 4
FEP	Cefepime	4 - 32
AUG2	Amoxicillin / clavulanic acid 2:1 ratio	8/4 - 32/16
CAR	Carbenicillin	16 - 64
AXO	Ceftriaxone	8 - 64
GEN	Gentamicin	8 - 16
NEG	Negative Control	
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	NEG	POS	POS	POS	NEG	POS	POS	POS	NEG	POS	POS	POS
B	SXT 0.5/9.5	SXT 2/38	SXT 4/76	FEP 32	SXT 0.5/9.5	SXT 2/38	SXT 4/76	FEP 32	SXT 0.5/9.5	SXT 2/38	SXT 4/76	FEP 32
C	NIT 32	NIT 64	NIT 128	FEP 16	NIT 32	NIT 64	NIT 128	FEP 16	NIT 32	NIT 64	NIT 128	FEP 16
D	CIP 1	CIP 2	CIP 4	FEP 8	CIP 1	CIP 2	CIP 4	FEP 8	CIP 1	CIP 2	CIP 4	FEP 8
E	AUG2 8/4	AUG2 16/8	AUG2 32/16	FEP 4	AUG2 8/4	AUG2 16/8	AUG2 32/16	FEP 4	AUG2 8/4	AUG2 16/8	AUG2 32/16	FEP 4
F	AMP 8	AMP 16	AMP 32	GEN 16	AMP 8	AMP 16	AMP 32	GEN 8	AMP 8	AMP 16	AMP 32	GEN 16
G	CAR 16	CAR 32	CAR 64	GEN 8	CAR 16	CAR 32	CAR 64	GEN 4	CAR 16	CAR 32	CAR 64	GEN 8
H	AXO 8	AXO 16	AXO 32	AXO 64	AXO 8	AXO 16	AXO 32	AXO 64	AXO 8	AXO 16	AXO 32	AXO 64

SENSITITRE PLATE LAYOUTS

Standard Susceptibility Plate Layouts

*GNXF - Gram-Negative MIC Plate

Antimicrobics		Dilution Range
CHL	Chloramphenicol	2 - 16
AMI	Amikacin	4 - 32
T/C	Ceftazidime / clavulanic acid	16/2 - 128/2
AZT	Aztreonam	2 - 16
P/T4	Piperacillin / tazobactam	8/4 - 64/4
SXT	Trimethoprim / sulfamethoxazole	0.5/9.5 - 4/76
GEN	Gentamicin	1 - 8
FEP	Cefepime	2 - 16
TOB	Tobramycin	1 - 8
LEVO	Levofloxacin	1 - 8
DOX	Doxycycline	2 - 16
CIP	Ciprofloxacin	0.25 - 2
MIN	Minocycline	2 - 16
MERO	Meropenem	1 - 8
FOT	Cefotaxime	1 - 32
TGC	Tigecycline	0.25 - 8
ETP	Ertapenem	1 - 16
IMI	Imipenem	1 - 8
DOR	Doripenem	0.12 - 2
COL	Colistin	0.25 - 4
POL	Polymixin B	0.25 - 4
TAZ	Ceftazidime	1 - 16
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 4	AZT 2	SXT 0.5/9.5	FEP 2	LEVO 1	CIP 0.25	MERO 1	DOR 0.12	DOR 0.25	DOR 0.5	DOR 1	DOR 2
B	AMI 8	AZT 4	SXT 1/19	FEP 4	LEVO 2	CIP .5	MERO 2	COL 0.25	COL 0.5	COL 1	COL 2	COL 4
C	AMI 16	AZT 8	SXT 2/38	FEP 8	LEVO 4	CIP 1	MERO 4	POL 0.25	POL 0.5	POL 1	POL 2	POL 4
D	AMI 32	AZT 16	SXT 4/76	FEP 16	LEVO 8	CIP 2	MERO 8	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16
E	T/C 16/2	P/T4 8/4	GEN 1	TOB 1	DOX 2	MIN 2	FOT 1	FOT 2	FOT 4	FOT 8	FOT 16	FOT 32
F	T/C 32/2	P/T4 16/4	GEN 2	TOB 2	DOX 4	MIN 4	TGC 0.25	TGC 0.5	TGC 1	TGC 2	TGC 4	TGC 8
G	T/C 64/2	P/T4 32/4	GEN 4	TOB 4	DOX 8	MIN 8	ETP 1	ETP 2	ETP 4	ETP 8	ETP 16	POS
H	T/C 128/2	P/T4 64/4	GEN 8	TOB 8	DOX 16	MIN 16	IMI 1	IMI 2	IMI 4	IMI 8	POS	POS

GPN3F - Gram-Positive MIC Plate

Antimicrobics		Dilution Range
ERY	Erythromycin	0.25 - 4
CLI	Clindamycin	0.12 - 2
SYN	Quinupristin/dalfopristin	0.12 - 4
DAP	Daptomycin	0.25 - 8
VAN	Vancomycin	1 - 128
TET	Tetracycline	2 - 16
AMP	Ampicillin	0.12 - 16
GEN	Gentamicin	2 - 16
LEVO	Levofloxacin	0.25 - 8
LZD	Linezolid	0.5 - 8
AXO	Ceftriaxone	8 - 64
STR	Streptomycin	1000
PEN	Penicillin	0.06 - 8
RIF	Rifampin	0.5 - 4
GAT	Gatifloxacin	1 - 8
CIP	Ciprofloxacin	0.5 - 2
SXT	Trimethoprim/sulfamethoxazole	1/19 - 0.5/9.5
OXA+	Oxacillin+2%NaCl	0.25 - 8
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	CLI 2	GEN 500	STR 1000
B	SYN 0.12	SYN 0.25	SYN 0.5	SYN 1	SYN 2	SYN 4	DAP 0.25	DAP 0.5	DAP 1	DAP 2	DAP 4	DAP 8
C	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	VAN 32	VAN 64	VAN 128	TET 2	TET 4	TET 8	TET 16
D	AMP 0.12	AMP 0.25	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	AMP 16	GEN 2	GEN 4	GEN 8	GEN 16
E	RIF 0.5	LEVO 0.25	LEVO 0.5	LEVO 1	LEVO 2	LEVO 4	LEVO 8	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8
F	RIF 1	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8	CIP 0.5	CIP 1	CIP 2
G	RIF 2	SXT 1/19	SXT 2/38	SXT 4/76	AXO 8	AXO 16	AXO 32	AXO 64	GAT 1	GAT 2	GAT 4	GAT 8
H	RIF 4	SXT 0.5/9.5	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	OXA+ 4	OXA+ 8	NEG	POS	POS	POS

Standard Susceptibility Plate Layouts

GPALL1F - Gram-Positive MIC Plate

Antimicrobics		Dilution Range
CHL	Chloramphenicol	2 - 16
DAP	Daptomycin	0.5 - 4
GEN	Gentamicin	2 - 16
LZD	Linezolid	1 - 8
RIF	Rifampin	0.5 - 4
SXT	Trimethoprim / sulfamethoxazole	5/9.5 - 4/76
SYN	Quinupristin / dalfopristin	5 - 4
TET	Tetracycline	2 - 16
OXA+	Oxacillin+2%NaCl	0.25 - 4
AMP	Ampicillin	12 - 8
PEN	Penicillin	06 - 8
VAN	Vancomycin	25 - 32
MXF	Moxifloxacin	0.25 - 4
ERY	Erythromycin	0.25 - 4
TGC	Tigecycline	0.03 - 0.5
LEVO	Levofloxacin	0.25 - 4
CLI	Clindamycin	0.5 - 2
CIP	Ciprofloxacin	1 - 2
NIT	Nitrofurantoin	32 - 64
DT1	D-Test 1	
DT2	D-Test 2	
STR	Streptomycin	1000
FOX	Cefoxitin	6
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	CHL 2	CHL 4	CHL 8	CHL 16	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	CLI 0.5	CLI 1	CLI 2
B	DAP 0.5	DAP 1	DAP 2	DAP 4	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	OXA+ 4	STR 1000	DT1	DT2
C	GEN 2	GEN 4	GEN 8	GEN 16	AMP 0.12	AMP 0.25	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	FOXS 6
D	LZD 1	LZD 2	LZD 4	LZD 8	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8
E	RIF 0.5	RIF 1	RIF 2	RIF 4	VAN 0.25	VAN 0.5	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	VAN 32
F	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76	LEVO 0.25	LEVO 0.5	LEVO 1	LEVO 2	LEVO 4	CIP 1	CIP 2	POS
G	SYN 0.5	SYN 1	SYN 2	SYN 4	TGC 0.03	TGC 0.06	TGC 0.12	TGC 0.25	TGC 0.5	NIT 32	NIT 64	POS
H	TET 2	TET 4	TET 8	TET 16	MXF 0.25	MXF 0.5	MXF 1	MXF 2	MXF 4	GEN 500	NEG	POS

HPB - Haemophilus/Streptococcus pneumoniae MIC Plate

Antimicrobics		Dilution Range
AUG	Amoxicillin/Clavulanic Acid	2/1 - 16/8
AMP	Ampicillin	0.12 - 4
A/S	Ampicillin/Sulbactam	1/0.5 - 2/1
FAC	Cefaclor	4 - 16
FEP	Cefepime	0.12 - 2
FIX	Cefixime	0.12 - 1
AXO	Ceftriaxone	0.03 - 2
FUR	Cefuroxime	0.5 - 8
CHL	Chloramphenicol	0.5 - 4
CLA	Clarithromycin	0.12 - 16
ERY	Erythromycin	0.25 - 0.5
IMI	Imipenem	0.5 - 4
LEVO	Levofloxacin	0.03 - 4
MERO	Meropenem	0.06 - 2
PEN	Penicillin	0.015 - 1
SPA	Sparfloxacin	0.03 - 1
TET	Tetracycline	0.25 - 4
SXT	Trimethoprim/sulfamethoxazole	0.06/1.19 - 2/38
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	LEVO 4	CLA 16	PEN 1	AXO 2	AMP 4	SPA 1	COT 2/38	MERO 2	FUR 8	TET 4	CHL 4	AUG 16/8
B	LEVO 2	CLA 8	PEN 0.5	AXO 1	AMP 2	SPA 0.5	COT 1/19	MERO 1	FUR 4	TET 2	CHL 2	AUG 8/4
C	LEVO 1	CLA 4	PEN 0.25	AXO 0.5	AMP 1	SPA 0.25	COT 0.5/9.5	MERO 0.5	FUR 2	TET 1	CHL 1	AUG 4/2
D	LEVO 0.5	CLA 2	PEN 0.12	AXO 0.25	AMP 0.5	SPA 0.12	COT 0.25/4.75	MERO 0.25	FUR 1	TET 0.5	CHL 0.5	AUG 2/1
E	LEVO 0.25	CLA 1	PEN 0.06	AXO 0.12	AMP 0.25	SPA 0.06	COT 0.12/2.38	MERO 0.12	FUR 0.5	TET 0.25	ERY 0.25	ERY 0.5
F	LEVO 0.12	CLA 0.5	PEN 0.03	AXO 0.06	AMP 0.12	SPA 0.03	COT 0.06/1.19	MERO 0.06	FIX 0.12	FIX 0.25	FIX 0.5	FIX 1
G	LEVO 0.06	CLA 0.25	PEN 0.015	AXO 0.03	FEP 0.12	FEP 0.25	FEP 0.5	FEP 1	FEP 2	A/S 1/0.5	A/S 2/1	NEG CTRL
H	LEVO 0.03	CLA 0.12	FAC 4	FAC 8	FAC 16	IMI 0.5	IMI 1	IMI 2	IMI 4	POS CTRL	POS CTRL	POS CTRL

Standard Susceptibility Plate Layouts

*SLOMYCO - Mycobacteria Slow Growers MIC Plate

Antimicrobics		Dilution Range
CLA	Clarithromycin	0.06 - 8
RFB	Rifabutin	0.25-8
EMB	Ethambutol	0.5-16
INH	Isoniazid	0.25-8
MXF	Moxifloxacin	0.12-8
RIF	Rifampin	0.12-8
SXT	Trimethoprim/sulfamethoxazole	0.12/2.38-8/152
AMI	Amikacin	1-64
LZD	Linezolid	1-64
CIP	Ciprofloxacin	0.12-16
STR	Streptomycin	0.5-64
DOX	Doxycycline	0.12-16
ETH	Ethionamide	0.3-20
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	CLA 0.06	CLA 0.12	CLA 0.25	CLA 0.5	CLA 1	CLA 2	CLA 4	CLA 8	CIP 16	STR 64	DOX 16	ETH 20
B	CLA 16	CLA 32	CLA 64	MXF 8	RIF 8	SXT 8/152	AMI 64	LZD 64	CIP 8	STR 32	DOX 8	ETH 10
C	RFB 8	EMB 16	INH 8	MXF 4	RIF 4	SXT 4/76	AMI 32	LZD 32	CIP 4	STR 16	DOX 4	ETH 5
D	RFB 4	EMB 8	INH 4	MXF 2	RIF 2	SXT 2/38	AMI 16	LZD 16	CIP 2	STR 8	DOX 2	ETH 2.5
E	RFB 2	EMB 4	INH 2	MXF 1	RIF 1	SXT 1/19	AMI 8	LZD 8	CIP 1	STR 4	DOX 1	ETH 1.2
F	RFB 1	EMB 2	INH 1	MXF 0.5	RIF 0.5	SXT 0.5/9.5	AMI 4	LZD 4	CIP 0.5	STR 2	DOX 0.5	ETH 0.6
G	RFB 0.5	EMB 1	INH 0.5	MXF 0.25	RIF 0.25	SXT 0.25/4.75	AMI 2	LZD 2	CIP 0.25	STR 1	DOX 0.25	ETH 0.3
H	RFB 0.25	EMB 0.5	INH 0.25	MXF 0.12	RIF 0.12	SXT 0.12/2.38	AMI 1	LZD 1	CIP 0.12	STR 0.5	DOX 0.12	POS

NF - Gram-Negative Non-Fermenters Plate

Antimicrobics		Dilution Range
TAZ	Ceftazidime	1 - 16
GEN	Gentamicin	1 - 8
PIP	Piperacillin	8 - 64
P/T	Piperacillin/Tazobactam	8/4 - 64/4
AMI	Amikacin	4 - 32
FEP	Cefepime	2 - 16
FOP	Cefoperazone	4 - 32
LOM	Lomefloxacin	0.5 - 4
IMI	Imipenem	1 - 8
TIM	Ticarcillin/clavulanic acid	16/2 - 128/2
TIC	Ticarcillin	8 - 64
SXT	Trimethoprim/sulfamethoxazole	0.5/9.5 - 4/76
A/S	Ampicillin/sulbactam	2/1 - 16/8
FOT	Cefotaxime	4 - 32
CHL	Chloramphenicol	2 - 16
TOB	Tobramycin	1 - 8
AXO	Ceftriaxone	4 - 32
LEVO	Levofloxacin	0.5 - 4
FIS	Sulfisoxazole	256
CAR	Carbenicillin	32 - 256
AZT	Aztreonam	2 - 16
CIP	Ciprofloxacin	0.25 - 2
TET	Tetracycline	1 - 8
NEG	Negative Control	
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	TAZ 16	PIP 64	P/T 64/4	FOP 32	IMI 8	TIC 64	A/S 16/8	CHL 16	AXO 32	CAR 256	CIP 2	GEN 8
B	TAZ 8	PIP 32	P/T 32/4	FOP 16	IMI 4	TIC 32	A/S 8/4	CHL 8	AXO 16	CAR 128	CIP 1	GEN 4
C	TAZ 4	PIP 16	P/T 16/4	FOP 8	IMI 2	TIC 16	A/S 4/2	CHL 4	AXO 8	CAR 64	CIP 0.5	GEN 2
D	TAZ 2	PIP 8	P/T 8/4	FOP 4	IMI 1	TIC 8	A/S 2/1	CHL 2	AXO 4	CAR 32	CIP 0.25	GEN 1
E	TAZ 1	FIS 256	AMI 32	LOM 4	TIM 128/2	SXT 4/76	FOT 32	TOB 8	FEP 16	AZT 16	TET 8	NEG
F	LEVO 4	LEVO 0.12	AMI 16	LOM 2	TIM 64/2	SXT 2/38	FOT 16	TOB 4	FEP 8	AZT 8	TET 4	POS
G	LEVO 2	LEVO 0.25	AMI 8	LOM 1	TIM 32/2	SXT 1/19	FOT 8	TOB 2	FEP 4	AZT 4	TET 2	POS
H	LEVO 1	LEVO 0.5	AMI 4	LOM 0.5	TIM 16/2	SXT 0.5/9.5	FOT 4	TOB 1	FEP 2	AZT 2	TET 1	POS

Standard Susceptibility Plate Layouts

*RAPMYCO - Mycobacteria Rapid Growers MIC Plate

Antimicrobics		Dilution Range
SXT	Trimethoprim/sulfamethoxazole	0.25/4.75 - 8/152
CIP	Ciprofloxacin	0.12 - 4
MXF	Moxifloxacin	0.25 - 8
FOX	Cefoxitin	4 - 128
AMI	Amikacin	1 - 64
DOX	Doxycycline	0.12 - 16
TGC	Tigecycline	0.015 - 4
CLA	Clarithromycin	0.06 - 16
LZD	Linezolid	1 - 32
IMI	Imipenem	2 - 64
FEP	Cefepime	1 - 32
AUG2	Amoxicillin/clavulanic acid	2/1 - 64/32
AXO	Ceftriaxone	4 - 64
MIN	Minocycline	1 - 8
TOB	Tobramycin	1 - 4
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	SXT 0.25/4.75	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76	SXT 8/152	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16	LZD 32
B	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	IMI 2	IMI 4	IMI 8	IMI 16	IMI 32	IMI 64
C	MXF 0.25	MXF 0.5	MXF 1	MXF 2	MXF 4	MXF 8	FEP 1	FEP 2	FEP 4	FEP 8	FEP 16	FEP 32
D	FOX 4	FOX 8	FOX 16	FOX 32	FOX 64	FOX 128	AUG2 2/1	AUG2 4/2	AUG2 8/4	AUG2 16/8	AUG2 32/16	AUG2 64/32
E	AMI 1	AMI 2	AMI 4	AMI 8	AMI 16	AMI 32	AMI 64	AXO 4	AXO 8	AXO 16	AXO 32	AXO 64
F	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1	DOX 2	DOX 4	DOX 8	DOX 16	MIN 1	MIN 2	MIN 4	MIN 8
G	TGC 0.015	TGC 0.03	TGC 0.06	TGC 0.12	TGC 0.25	TGC 0.5	TGC 1	TGC 2	TGC 4	TOB 1	TOB 2	TOB 4
H	CLA 0.06	CLA 0.12	CLA 0.25	CLA 0.5	CLA 1	CLA 2	CLA 4	CLA 8	CLA 16	TOB 8	TOB 16	POS

STP6F - Streptococcus species MIC Plate

Antifungal Agents		Dilution Range
MXF	Moxifloxacin	1-8
LEVO	Levofloxacin	0.5-4
TET	Tetracycline	1-8
FUR	Cefuroxime	0.5-4
AXO	Ceftriaxone	0.12-2
FOT	Cefotaxime	0.12-4
DAP	Daptomycin	0.06-2
CHL	Chloramphenicol	1-32
PEN	Penicillin	0.03-4
MERO	Meropenem	0.25-2
ETP	Ertapenem	0.5-4
AUG2	Amoxicillin/clavulanic acid	2/1-16/8
LZD	Linezolid	0.25-4
CLI	Clindamycin	0.12-1
FEP	Cefepime	0.5-8
TGC	Tigecycline	0.015-0.12
AZI	Azithromycin	0.25-2
ERY	Erythromycin	0.25-2
SXT	Trimethoprim/sulfamethoxazole	0.5/9.5-4/76
VAN	Vancomycin	0.5-4
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	MXF 1	MXF 2	MXF 4	MXF 8	PEN 0.03	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4
B	LEVO 0.5	LEVO 1	LEVO 2	LEVO 4	MERO 0.25	MERO 0.5	MERO 1	MERO 2	AZI 0.25	AZI 0.5	AZI 1	AZI 2
C	TET 1	TET 2	TET 4	TET 8	ETP 0.5	ETP 1	ETP 2	ETP 4	ERY 0.25	ERY 0.5	ERY 1	ERY 2
D	FUR 0.5	FUR 1	FUR 2	FUR 4	AUG2 2/1	AUG2 4/2	AUG2 8/4	AUG2 16/8	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76
E	AXO 0.12	AXO 0.25	AXO 0.5	AXO 1	AXO 2	LZD 0.25	LZD 0.5	LZD 1	LZD 2	LZD 4	VAN 0.5	VAN 1
F	FOT 0.12	FOT 0.25	FOT 0.5	FOT 1	FOT 2	FOT 4	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	VAN 2	VAN 4
G	DAP 0.06	DAP 0.12	DAP 0.25	DAP 0.5	DAP 1	DAP 2	FEP 0.5	FEP 1	FEP 2	FEP 4	FEP 8	POS
H	CHL 1	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	TGC 0.015	TGC 0.03	TGC 0.06	TGC 0.12	POS	POS



Standard Susceptibility Plate Layouts

¹YO-2V – YeastOne® MIC IVD Plate

Antifungal Agents		Dilution Range
FC	5-Flucytosine	0.03 - 64
FZ	Fluconazole	0.125 - 256
IZ	Itraconazole	0.008 - 16
VOR	Voriconazole	0.008 - 8
POS	Positive Control	

¹ For *in vitro* diagnostic use.

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	VOR 0.008	VOR 0.16	VOR 0.03	VOR 0.06	VOR 0.12	VOR 0.25	VOR 0.5	VOR 1	VOR 2	VOR 4	VOR 8
B	FC 0.03	FC 0.06	FC 0.12	FC 0.25	FC 0.5	FC 1	FC 2	FC 4	FC 8	FC 16	FC 32	FC 64
C	FZ 0.12	FZ 0.25	FZ 0.5	FZ 1	FZ 2	FZ 4	FZ 8	FZ 16	FZ 32	FZ 64	FZ 128	FZ 256
D	IZ 0.008	IZ 0.016	IZ 0.03	IZ 0.06	IZ 0.12	IZ 0.25	IZ 0.5	IZ 1	IZ 2	IZ 4	IZ 8	IZ 16
E	POS	VOR 0.008	VOR 0.16	VOR 0.03	VOR 0.06	VOR 0.12	VOR 0.25	VOR 0.5	VOR 1	VOR 2	VOR 4	VOR 8
F	FC 0.03	FC 0.25	FC 0.12	FC 0.25	FC 0.5	FC 1	FC 2	FC 4	FC 8	FC 16	FC 32	FC 64
G	FZ 0.12	FZ 0.25	FZ 0.5	FZ 1	FZ 2	FZ 4	FZ 8	FZ 16	FZ 32	FZ 64	FZ 128	FZ 256
H	IZ 0.008	IZ 0.016	IZ 0.03	IZ 0.06	IZ 0.12	IZ 0.25	IZ 0.5	IZ 1	IZ 2	IZ 4	IZ 8	IZ 16

²YO-9 YeastOne® MIC Research Use Only Plate

Antimicrobics		Dilution Range
POS	Positive Control	
AND	Anidulafungin	0.015 - 8
AB	Amphotericin B	0.12 - 8
MF	Micafungin	0.008 - 8
CAS	Caspofungin	0.008 - 8
FC	5-Flucytosine	0.06 - 64
PZ	Posaconazole	0.008 - 8
VOR	Voriconazole	0.008 - 8
IZ	Itraconazole	0.015 - 16
FZ	Fluconazole	0.12 - 256

² For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	AND 0.015	AND 0.03	AND 0.06	AND 0.12	AND 0.25	AND 0.5	AND 1	AND 2	AND 4	AND 8	AB 0.12
B	MF 0.008	MF 0.015	MF 0.03	MF 0.06	MF 0.12	MF 0.25	MF 0.5	MF 1	MF 2	MF 4	MF 8	AB 0.25
C	CAS 0.008	CAS 0.015	CAS 0.03	CAS 0.06	CAS 0.12	CAS 0.25	CAS 0.5	CAS 1	CAS 2	CAS 4	CAS 8	AB 0.5
D	FC 0.06	FC 0.12	FC 0.25	FC 0.5	FC 1	FC 2	FC 4	FC 8	FC 16	FC 32	FC 64	AB 1
E	PZ 0.008	PZ 0.015	PZ 0.03	PZ 0.06	PZ 0.12	PZ 0.25	PZ 0.5	PZ 1	PZ 2	PZ 4	PZ 8	AB 2
F	VOR 0.008	VOR 0.015	VOR 0.03	VOR 0.06	VOR 0.12	VOR 0.25	VOR 0.5	VOR 1	VOR 2	VOR 4	VOR 8	AB 4
G	IZ 0.015	IZ 0.03	IZ 0.06	IZ 0.12	IZ 0.25	IZ 0.5	IZ 1	IZ 2	IZ 4	IZ 8	IZ 16	AB 8
H	FZ 0.12	FZ 0.25	FZ 0.5	FZ 1	FZ 2	FZ 4	FZ 8	FZ 16	FZ 32	FZ 64	FZ 128	FZ 256



1 . 8 0 0 . 8 7 1 . 8 9 0 9

Information listed herein is subject to change without notice.

Custom Susceptibility Plates

Through collaboration with all major pharmaceutical companies, the Sensititre System can offer the most extensive range of antimicrobics available for user-defined custom plates. A selection from over 200 antimicrobics can be incorporated into custom formats configured to meet your testing requirements. Antimicrobial selections are provided for both full range MIC and Breakpoint testing procedures. To meet individual laboratory test requirements, custom susceptibility plates are available in dry format and in frozen format, manufactured to meet CLSI guidelines. Small minimum order quantities allow for better cost and inventory control.

Note: Custom susceptibility plates are nonreturnable. Your TREK Customer Service Representative will verify your plate specifications and review the custom plate ordering process to ensure accuracy.

Dry Format - MIC and Breakpoint

- Custom MIC and Breakpoint plates- with or without substrates in wells - 50µl and 100µl

When using Sensititre AutoReader or ARIS 2X a substrate system is necessary. The Sensititre System offers the option of selecting plates with substrates in wells or plates without substrates. Contact your TREK Area Account Manager or Customer Service Representative for minimum order information. Quantity discounts are available.

Delivery times dependent on quantities and design. Estimated lead time provided upon receipt of custom MIC plate order.

Frozen Format - MIC

Custom frozen format plates are available in minimum orders of 50 plates (packaged 10 per box). Quantity discounts are available. Contact your TREK Area Account Manager or Customer Service Representative for information.

Delivery times dependent on quantities and design. Estimated lead time provided upon receipt of custom MIC plate order.

Ancillary Products for Custom Frozen Plates

CAT #	PRODUCT DESCRIPTION
CVR-TR01	Tray Cover, 10/box
P0050	Disposable Hand Inoculator, Each
T3339	Demineralized Water-5ml, 100/box
T3338-29-10	Demineralized Water, 29 ml, 10/box



FDA-Cleared Antimicrobics/Dilutions For Clinical Diagnostic Use

ANTIMICROBIC	GRAM NEGATIVE (50 µl well reconstitution)	GRAM POSITIVE (50 µl well reconstitution)	<i>Streptococcus (pneumoniae and Streptococcus spp.</i> Manual read and autoread (100 µl well reconstitution)	<i>Haemophilus influenzae</i> Manual read (100 µl well reconstitution)
	µl/ml	µl/ml	µl/ml	µl/ml
Amikacin	0.25-64	N/A	N/A	N/A
Amoxicillin/Clavulanic Acid	0.5/0.25-64/32	0.5/0.25-64/32	0.016/0.008-16/8	2/1-16/8
Ampicillin	0.25-128	0.12-16	N/A	0.12-16
Ampicillin/Sulbactam	0.5/0.25-64/32	0.12/0.06-32/16	N/A	1/0.5-8/4
Azithromycin	N/A	N/A	0.03-4	0.015-32
Azlocillin	2-256	N/A	N/A	N/A
Aztreonam	1-128	N/A	N/A	N/A
Carbenicillin	2-256	N/A	N/A	N/A
Cefaclor	N/A	N/A	4-32 ³	4-32
Cefamandole	1-128	1-128	N/A	N/A
Cefazolin	1-128	1-128	N/A	N/A
Cefdinir	0.06-64	0.06-32	0.016-4 ³	0.016-4
Cefepime	0.008-64	0.008-64	0.015-32	0.015-32
Cefixime	N/A	N/A	N/A	0.12-1
Cefonicid	1-128	N/A	N/A	N/A
Cefoperazone	1-128	N/A	N/A	N/A
Cefotaxime	1-128	1-128	0.016-4 ³	0.016-4
Cefotaxime/Clavulanic Acid	See TABLE I	N/A	N/A	N/A
Cefotetan	0.03-64	0.03-64	N/A	N/A
Cefoxitin	1-128	N/A	N/A	N/A
Cefoxitin Screen	N/A	6 ⁶	N/A	N/A
Cefpodoxime	0.06-32	0.06-32	N/A	0.015-32
Ceftazidime	1-128	N/A	N/A	N/A
Ceftazidime/Clavulanic Acid	See TABLE I	N/A	N/A	N/A
Ceftizoxime	1-128	N/A	N/A	N/A
Ceftriaxone	1-128	1-128	0.015-2 ³	0.015-2
Cefuroxime	1-128	N/A	0.5-16	0.5-16
Cephalothin	1-128	0.5-64	N/A	N/A
Chloramphenicol	1-64	0.25-32	0.25-32	0.25-32
Ciprofloxacin	0.06-64	0.5-64	N/A	0.015-1
Clarithromycin	0.06-128	0.06-128	0.016-16 ³	0.002-64
Clindamycin	N/A	0.12-16	0.016-8 ³	N/A
Daptomycin	N/A	0.03-64	0.03-32 ⁴	N/A
Doripenem	0.008-64	N/A	N/A	N/A
D-Test	N/A	DT1, DT2	N/A	N/A
Ertapenem	0.002-16	0.015-64	0.008-16 ³	0.008-16
Erythromycin	N/A	0.12-32	0.25-16	N/A
Gatifloxacin	0.008-16	0.008-16	0.002-8	0.002-8
Gemifloxacin	0.002-4 ⁷	0.002-16 ⁷	0.001-16	0.001-16



ANTIMICROBIC	GRAM NEGATIVE (50 µl well reconstitution)	GRAM POSITIVE (50 µl well reconstitution)	<i>Streptococcus (pneumoniae and Streptococcus spp.</i> Manual read and autoread (100 µl well reconstitution)	<i>Haemophilus influenzae</i> Manual read (100 µl well reconstitution)
	µl/ml	µl/ml	µl/ml	µl/ml
Gentamicin	0.12-64, 500	0.12-32, 500	N/A	N/A
Grepafloxacin	0.002-4	N/A	N/A	N/A
Imipenem	0.25-64	0.25-64	N/A	0.5-4
Kanamycin	0.5-256	0.5-64	N/A	N/A
Levofloxacin	0.004-8	0.008-16	0.002-64	0.002-64
Linezolid	N/A	0.25-32	0.25-32	N/A
Lomefloxacin	0.03-64	0.03-64	N/A	0.015-32
Meropenem	0.004-8	N/A	0.015-32	0.016-2
Methicillin with 2% NaCl	N/A	0.12-16	N/A	N/A
Mezlocillin	2-256	N/A	N/A	N/A
Moxifloxacin	0.004-16	0.008-16	0.004-8	0.004-8
Naldixic Acid	1-128	N/A	N/A	N/A
Netilmicin	1-64	N/A	N/A	N/A
Nitrofurantion	2-256	2-256	N/A	N/A
Norfloxacin	1-128	1-128	N/A	N/A
Ofloxacin	0.004-32	0.004-32	N/A	N/A
Oxacillin with 2% salt	N/A	0.25-32	N/A	N/A
Penicillin G	N/A	0.03-16	0.015-8	N/A
Piperacillin	2-256	N/A	N/A	N/A
Piperacillin/Tazobactam	0.12/4-256/4	0.12/4-256/4	N/A	0.015/4-32/4
Rifampin	N/A	0.5-8	N/A	0.5-4
Sparfloxacin	0.002-4	0.008-8	0.002-64 ³	0.002-64
Streptomycin	N/A	1000, 2000 ⁵	N/A	N/A
Sulfisoxazole	256	256	N/A	N/A
Synercid	N/A	0.03-32	N/A	N/A
Telithromycin	N/A	0.002 - 16	0.002 - 16 ³	0.002 - 16
Tetracycline	0.25-128	0.12-128	0.25-32	0.25-32
Ticarcillin	2-256	N/A	N/A	N/A
Ticarcillin/Clavulanic Acid	2/2-128/2	N/A	N/A	N/A
Tigecycline	0.015-16	0.008-16	0.004-8 ⁴	N/A
Tobramycin	0.12-16	N/A	N/A	N/A
Trimethoprim/Sulfamethoxazole	0.25/4.75-32/608	0.25/4.75-4/76	0.06/1.2-4/76	0.06/1.2-4/76
Trovafloxacin	0.002-4	N/A	N/A	N/A
Vancomycin	N/A	0.25-128	0.06-4	N/A

³*Streptococcus pneumoniae* only

⁴*Streptococcus* spp. only

⁵*Enterococcus* testing only

⁶*Staphylococcus aureus* testing only

⁷Can only report *Enterobacteriaceae*, *Acinetobacter lwoffii*, *Streptococcus* spp., and *Staphylococcus aureus* (MSSA)



Note: Additional antimicrobics may be available for custom plate configurations. Contact your TREK Customer Service Representative for information.

Table I ESBL Confirmatory Testing (manual + auto)

USA IVD labeled panels require concentrations that fall within the following minimum and maximum ranges (all four drugs must be present):

Cefotaxime:	Maximum range = 0.06-64 µg/ml Minimum range = 0.25-64 µg/ml
Cefotaxime/Clavulanic Acid:	Maximum range = 0.06/4-64/4 µg/ml Minimum range = 0.25/4-64/4 µg/ml
Ceftazidime:	Maximum range = 0.06-128 µg/ml Minimum range = 0.25-128 µg/ml
Ceftazidime/Clavulanic Acid:	Maximum range = 0.06/4-128/4 µg/ml Minimum range = 0.25/4-128/4 µg/ml

It is not necessary that paired combinations have the same concentration range providing they fall within minimum and maximum limits.

Antifungal Testing

The Sensititre YeastOne Susceptibility Plate is used for determining the clinical susceptibility of *Candida* species. Antifungal intended use label must be for *Candida* species only. All antifungal plates must be 100 µl reconstitution and 1.5-8x10³ cfu/ml.

ANTIFUNGAL AGENT	FDA Cleared concentration range µg/ml
Fluconazole	0.125 – 256
Itraconazole	0.008 – 16
5-Flucytosine	0.03 – 64
Voriconazole	0.008 – 8

ANTIFUNGAL AGENT	RUO Available ranges*
Capsfungin	0.008 – 16
Posaconazole	0.004 – 8
Ketoconazole	0.008 – 16
Amphotericin B	0.008 – 16
Micafungin	0.015 – 64
Anidulafungin	0.03 – 64
Ravuconazole ⁶	0.008 – 15

⁶Restriction apply. Contact your TREK Customer Service representative for information.

* For research use only. Not for use in diagnostic procedures

Note: Additional antimicrobics may be available for custom plate configurations. Contact your TREK Customer Service Representative for information.

New Antimicrobial Development

Customized work-up by in-house experts in an FDA, ISO 9001:2000, ISO 13485:2003 and CMDCAS inspected development and manufacturing facility assures the highest quality in new compound development. A single point-of-contact throughout the drug development process provides consistency and speeds the access of new antimicrobics to the market.

JustOne® Antimicrobial Strips

The only individually packaged strips for microdilution testing, JustOne strips offer a convenient, reliable, and cost-effective supplemental test method and can be stored at room temperature for 18-24 months. Microadaptation of the standard two-fold broth dilution technique provides distinct end points for increased accuracy.

Custom JustOne Strips

Custom JustOne strips are available in a 12-well strip configuration, and are packaged 8 per box.

Custom Just One Strips are available in minimum orders of 50 boxes (400 12-well strips). Quantity discounts are available. Contact your TREK Area Account Manager or Customer Service Representative for information.

Delivery times dependent on quantities and design. Estimated lead time provided upon receipt of custom MIC plate order.

Standard JustOne

JO-EYE JustOne for Vet Isolates (see page 29); 8 strips/box



Veterinary-Specific Plates

The Sensititre System offers more veterinary-specific antimicrobics for microdilution testing than any other manufacturer, including a full range of standard 96-well microtitre plates for susceptibility testing. MIC plates provide maximum precision and end-point accuracy to track antimicrobial resistance, while Breakpoint plates offer a cost-effective alternative to susceptibility testing.

CAT #	PRODUCT DESCRIPTION
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Standard Veterinary Identification Plates

GNID	Gram-Negative Identification, 10/box
GPID	Gram-Positive Identification, 10/box

For use with Sensititre AutoReader or Sensititre ARIS 2X systems

Note: See page 13 for plate layouts.

Standard Veterinary MIC Susceptibility Plates

AVIAN1F	Avian One Isolate MIC Plate w/SIW, 10/box
BOPO6F	Bovine/Porcine One Isolate MIC Plate w/SIW, 10/box
CAMPY*	<i>Campylobacter</i> One Isolate MIC Plate, 10/box
CMV1AGNF	NARMS Gram-Negative Plate w/SIW, 10/box
CMV3AGPF	NARMS Gram-Positive Plate w/SIW, 10/box
CMV1AMAF	Mastitis Two Isolate MIC Plate w/SIW, 10/box
CMV1BURF	Urinary Two Isolate MIC Plate w/SIW, 10/box
COMEQ3F	Companion/Equine One Isolate MIC Plate w/SIW, 10/box

Note: Standard Veterinary MIC plates with SIW contain fluorogenic substrates for reading in the Sensititre ARIS 2X or Sensititre AutoReader

For Research Use Only. Not for use in diagnostic procedures.

Custom Veterinary Susceptibility Plates

Custom susceptibility plates are designed to meet the specific needs of animal testing. A choice of over 40 veterinary-specific drugs is available. Custom plates are available in minimum orders of 500 plates (packaged 10 per box). Quantity discounts are available. Contact your TREK Area Account Manager or Customer Service Representative for information.

Delivery times dependent on quantities and design. Estimated lead time provided upon receipt of custom MIC plate order.

Note: Custom veterinary susceptibility plates are nonreturnable. Your TREK Customer Service Representative will verify your plate specifications and review the custom plate ordering process to ensure accuracy.

Veterinary-Specific JustOne Strips

Each JustOne strip is an individually packaged full MIC for testing a single antimicrobial. Breakpoint JustOne strips are also available. JustOne strips are a convenient way to add newly-released veterinary drugs to your test protocol and offer room temperature storage and 24 month shelf life.

JO-EYE	Breakpoint - Eye Isolates, 12/box
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Veterinary-Specific Plates Layouts

AVIAN1F – Avian One Isolate MIC Plate

Antimicrobics

Dilution Range

ENRO	Enrofloxacin	2 - 0.12
GEN	Gentamicin	8 - 0.5
TIO	Ceftiofur	4 - 0.25
NEO	Neomycin	32 - 2
ERY	Erythromycin	4 - 0.25
OXY	Oxytetracycline	8 - 0.5
TET	Tetracycline	8 - 0.25
AMOX	Amoxicillin	16 - 0.25
SPE	Spectinomycin	64 - 8
SDM	Sulphadimethoxine	256 - 32
SXT	Trimethoprim/sulfamethoxazole	2/38 - 0.5/9.5
FFN	Florfenicol	8 - 0.25
STZ	Sulphathiazole	256 - 32
PEN	Penicillin	8 - 0.06
STR	Streptomycin	1024 - 8
NOV	Novobiocin	4 - 0.5
TYLT	Tylosin tartrate	20 - 2.5
CLI	Clindamycin	4 - 0.5
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	ENRO 2	ENRO 1	ENRO 0.5	ENRO 0.25	ENRO 0.12	SPE 64	SDM 256	FFN 8	PEN 8	STR 1024	NOV 4	CLI 4
B	GEN 8	GEN 4	GEN 2	GEN 1	GEN 0.5	SPE 32	SDM 128	FFN 4	PEN 4	STR 512	NOV 2	CLI 2
C	TIO 4	TIO 2	TIO 1	TIO 0.50	TIO 0.25	SPE 16	SDM 64	FFN 2	PEN 2	STR 256	NOV 1	CLI 1
D	NEO 32	NEO 16	NEO 8	NEO 4	NEO 2	SPE 8	SDM 32	FFN 1	PEN 1	STR 128	NOV 0.5	CLI 0.5
E	ERY 4	ERY 2	ERY 1	ERY 0.5	ERY 0.25	ERY 0.12	SXT 2/38	STZ 256	PEN 0.5	STR 64	TYLT 20	NEG
F	OXY 8	OXY 4	OXY 2	OXY 1	OXY 0.5	OXY 0.25	SXT 1/19	STZ 128	PEN 0.25	STR 32	TYLT 10	POS
G	TET 8	TET 4	TET 2	TET 1	TET 0.5	TET 0.25	SXT 0.5/9.5	STZ 64	PEN 0.12	STR 16	TYLT 5	POS
H	AMOX 16	AMOX 8	AMOX 4	AMOX 2	AMOX 1	AMOX 0.5	AMOX 0.25	STZ 32	PEN 0.06	STR 8	TYLT 2.5	POS

BOP06F – Bovine/Porcine One Isolate MIC Plate

Antimicrobics

Dilution Range

TIO	Ceftiofur	8 - 0.5
TIA	Tiamulin	32 - 4
CTET	Chlortetracycline	8 - 0.5
GEN	Gentamicin	8 - 1
FFN	Florfenicol	8 - 1
OXY	Oxytetracycline	0.5 - 8
PEN	Penicillin	8 - 0.12
AMP	Ampicillin	16 - 0.25
DANO	Danofloxacin	1 - 0.12
SDM	Sulphadimethoxine	256 - 32
NEO	Neomycin	32 - 4
SXT	Trimethoprim/sulfamethoxazole	2/38 - 0.5/9.5
SPE	Spectinomycin	8 - 64
TYLT	Tylosin tartrate	20 - 2.5
TUL	Tulathromycin	1 - 64
TIL	Tilmicosin	32 - 4
CLI	Clindamycin	2 - 0.25
ENRO	Enrofloxacin	2 - 0.12
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	TIO 8	TIA 32	CTET 8	OXY 8	PEN 8	AMP 16	DANO 1	SXT 2/38	TYLT 4	TUL 4	CLI 16	SDM 256
B	TIO 4	TIA 16	CTET 4	OXY 4	PEN 4	AMP 8	DANO 0.5	SPE 64	TYLT 2	TUL 2	CLI 8	ENRO 2
C	TIO 2	TIA 8	CTET 2	OXY 2	PEN 2	AMP 4	DANO 0.25	SPE 32	TYLT 1	TUL 1	CLI 4	ENRO 1
D	TIO 1	TIA 4	CTET 1	OXY 1	PEN 1	AMP 2	DANO 0.12	SPE 16	TYLT 0.5	TIL 64	CLI 2	ENRO 0.5
E	TIO 0.5	TIA 2	CTET 0.5	OXY 0.5	PEN 0.5	AMP 1	NEO 32	SPE 8	TUL 64	TIL 32	CLI 1	ENRO 0.25
F	TIO 0.25	TIA 1	TIA 0.5	GEN 16	PEN 0.25	AMP 0.5	NEO 16	TYLT 32	TUL 32	TIL 16	CLI 0.5	ENRO 0.12
G	GEN 8	GEN 4	GEN 2	GEN 1	PEN 0.12	AMP 0.25	NEO 8	TYLT 16	TUL 16	TIL 8	CLI 0.25	POS
H	FFN 8	FFN 4	FFN 2	FFN 1	FFN 0.5	FFN 0.25	NEO 4	TYLT 8	TUL 8	TIL 4	POS	POS

SENSITITRE PLATE LAYOUTS



Veterinary-Specific Plates Layouts

*CAMPY - Campylobacter One Isolate Plate MIC Plate

Antimicrobics		Dilution Range
AZI	Azithromycin	0.015 - 64
CIP	Ciprofloxacin	0.015 - 64
ERY	Erythromycin	0.03 - 64
GEN	Gentamicin	0.12 - 32
TET	Tetracycline	0.06 - 64
FFN	Florfenicol	0.03 - 64
NAL	Nalidixic Acid	4 - 64
TEL	Telithromycin	0.015 - 8
CLI	Ciindamycin	0.03 - 16
POS	Positive Control	

*For research use only. Not for use in diagnostic procedures.

	1	2	3	4	5	6	7	8	9	10	11	12
A	AZI 0.015	AZI 0.03	AZI 0.06	AZI 0.12	AZI 0.25	AZI 0.5	AZI 1	AZI 2	AZI 4	AZI 8	AZI 16	AZI 32
B	AZI 64	CIP 0.015	CIP 0.03	CIP 0.06	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8	CIP 16
C	CIP 32	CIP 64	ERY 0.03	ERY 0.06	ERY 0.12	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	ERY 8	ERY 16
D	ERY 32	ERY 64	GEN 0.12	GEN 0.25	GEN 0.5	GEN 1	GEN 2	GEN 4	GEN 8	GEN 16	GEN 32	TET 0.06
E	TET 0.12	TET 0.25	TET 0.5	TET 1	TET 2	TET 4	TET 8	TET 16	TET 32	TET 64	FFN 0.03	FFN 0.06
F	FFN 0.12	FFN 0.25	FFN 0.5	FFN 1	FFN 2	FFN 4	FFN 8	FFN 16	FFN 32	FFN 64	NAL 4	NAL 8
G	NAL 16	NAL 32	NAL 64	TEL 0.015	TEL 0.03	TEL 0.06	TEL 0.12	TEL 0.25	TEL 0.5	TEL 1	TEL 2	TEL 4
H	TEL 8	CLI 0.03	CLI 0.06	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	CLI 2	CLI 4	CLI 8	CLI 16	POS

CMV1AGNF – Gram-Negative MIC Plate

Antimicrobics		Dilution Range
AMI	Amikacin	0.5 - 32
AMP	Ampicillin	1 - 32
AUG	Amoxicillin/Clavulanic Acid	1/0.5 - 32/16
AXO	Ceftriaxone	0.5 - 64
CHL	Chloramphenicol	2 - 32
CIP	Ciprofloxacin	0.015 - 4
SXT	Trimethoprim/sulfamethoxazole	0.12/238 - 4/76
FOX	Cefoxitin	0.5 - 32
GEN	Gentamicin	0.25 - 16
KAN	Kanamycin	8 - 64
NAL	Nalidixic Acid	0.5 - 32
FIS	Sulfisoxazole	16 - 512
STR	Streptomycin	32 - 64
TET	Tetracycline	4 - 32
TIO	Ceftiofur	0.25 - 8
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	FOX 32	AMI 32	CHL 16	AXO 64	AXO 0.25	CIP 2	GEN 16	NAL 16	TIO 2	FIS 32	KAN 64	AMP 2
B	FOX 16	AMI 16	CHL 8	AXO 32	AUG 32/16	CIP 1	GEN 8	NAL 8	TIO 1	FIS 16	KAN 32	AMP 1
C	FOX 8	AMI 8	CHL 4	AXO 16	AUG 16/8	CIP 0.5	GEN 4	NAL 4	TIO 0.5	SXT 4/76	KAN 16	STR 64
D	FOX 4	AMI 4	CHL 2	AXO 8	AUG 8/4	CIP 0.25	GEN 2	NAL 2	TIO 0.25	SXT 2/38	KAN 8	STR 32
E	FOX 2	AMI 2	TET 32	AXO 4	AUG 4/2	CIP 0.12	GEN 1	NAL 1	TIO 0.12	SXT 1/19	AMP 32	NEG
F	FOX 1	AMI 1	TET 16	AXO 2	AUG 2/1	CIP 0.06	GEN 0.5	NAL 0.5	FIS 256	SXT 0.5/9.5	AMP 16	POS
G	FOX 0.5	AMI 0.5	TET 8	AXO 1	AUG 1/0.5	CIP 0.03	GEN 0.25	TIO 8	FIS 128	SXT 0.25/4.75	AMP 8	POS
H	AMI 64	CHL 32	TET 4	AXO 0.5	CIP 4	CIP 0.015	NAL 32	TIO 4	FIS 64	SXT 0.12/238	AMP 4	POS

Veterinary-Specific Plate Layouts

CMV3AGPF – Gram-Positive MIC Plate

Antimicrobics		Dilution Range
TGC	Tigecycline	0.015 - 0.5
TET	Tetracycline	1 - 32
CHL	Chloramphenicol	2 - 32
DAP	Daptomycin	0.25 - 16
STR	Streptomycin	512 - 2048
TYLT	Tylosin tartrate	0.25 - 32
SYN	Quinupristin/dalfopristin	0.5 - 32
LZD	Linezolid	0.5 - 8
NIT	Nitrofurantoin	2 - 64
PEN	Penicillin	0.25 - 16
KAN	Kanamycin	128 - 1024
ERY	Erythromycin	0.25 - 8
CIP	Ciprofloxacin	0.12 - 4
VAN	Vancomycin	0.25 - 4
LIN	Lincomycin	1 - 8
GEN	Gentamicin	128 - 1024
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	TGC 0.015	TGC 0.03	TGC 0.06	TGC 0.12	TGC 0.25	TGC 0.5	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	ERY 8
B	TET 1	TET 2	TET 4	TET 8	TET 16	TET 32	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4
C	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8	PEN 16
D	DAP 0.25	DAP 0.5	DAP 1	DAP 2	DAP 4	DAP 8	DAP 16	VAN 0.25	VAN 0.5	VAN 1	VAN 2	VAN 4
E	STR 512	STR 1024	STR 2048	NIT 2	NIT 4	NIT 8	NIT 16	NIT 32	NIT 64	VAN 8	VAN 16	VAN 32
F	TYLT 0.25	TYLT 0.5	TYLT 1	TYLT 2	TYLT 4	TYLT 8	TYLT 16	TYLT 32	GEN 128	GEN 256	GEN 512	GEN 1024
G	SYN 0.5	SYN 1	SYN 2	SYN 4	SYN 8	SYN 16	SYN 32	LIN 1	LIN 2	LIN 4	LIN 8	NEG
H	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8	KAN 128	KAN 256	KAN 512	KAN 1024	POS	POS	POS

CMV1AMAF – Mastitis Two Isolate Plate MIC Plate

Antimicrobics		Dilution Range
AMP	Ampicillin	8 - 0.12
PEN	Penicillin	8 - 0.12
ERY	Erythromycin	4 - 0.25
OXA+	Oxacillin+2%NaCL	4 - 2
PIRL	Pirlamycin	8 - 0.5
P/N	Penicillin/novobiocin	8/16 - 1/2
TET	Tetracycline	4 - 1
CEP	Cephalothin	16 - 2
XNL	Ceftiofur	2 - 0.5
SDM	Sulphadimethoxine	256 - 32
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	POS	POS 4	PIRL 8	TET 4	XNL	POS	POS	POS 4	PIRL 8	TET 4	XNL
B	AMP 8	PEN 8	ERY 4	PIRL 2	TET 4	XNL 2	AMP 8	PEN 8	ERY 4	PIRL 2	TET 4	XNL 2
C	AMP 4	PEN 4	ERY 2	PIRL 1	TET 2	XNL 1	AMP 4	PEN 4	ERY 2	PIRL 1	TET 2	XNL 1
D	AMP 2	PEN 2	ERY 1	PIRL 0.5	TET 1	XNL 0.5	AMP 2	PEN 2	ERY 1	PIRL 0.5	TET 1	XNL 0.5
E	AMP 1	PEN 1	ERY 0.5	P/N 8/16	CEP 16	SDM 256	AMP 1	PEN 1	ERY 0.5	P/N 8/16	CEP 16	SDM 256
F	AMP 0.5	PEN 0.5	ERY 0.25	P/N 4/8	CEP 8	SDM 128	AMP 0.5	PEN 0.5	ERY 0.25	P/N 4/8	CEP 8	SDM 128
G	AMP 0.25	PEN 0.25	OXA+ 4	P/N 2/4	CEP 4	SDM 64	AMP 0.25	PEN 0.25	OXA+ 4	P/N 2/4	CEP 4	SDM 64
H	AMP 0.12	PEN 0.12	OXA+ 2	P/N 1/2	CEP 2	SDM 32	AMP 0.12	PEN 0.12	OXA+ 2	P/N 1/2	CEP 2	SDM 32

SENSITITRE PLATE LAYOUTS

Veterinary-Specific Plate Layouts

CMV1BURF – Urinary Two Isolate MIC Plate

Antimicrobics		Dilution Range
COT	Trimethoprim/sulfamethoxazole	2/38 - 8/152
XNL	Ceftiofur	0.5 - 4
TET	Tetracycline	2 - 128
LEX	Cephalexin	4 - 256
AMP	Ampicillin	2 - 256
AUG	Amoxicillin/Clavulanic Acid	2/1 - 256/128
ENRO	Enrofloxacin	0.03 - 4
POS	Positive Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS CTRL	POS CTRL	POS CTRL	AMP 256	AUG 256/128	ENRO 4	POS CTRL	POS CTRL	POS CTRL	AMP 256	AUG 256/128	ENRO 4
B	COT 8/152	TET 128	LEX 256	AMP 128	AUG 128/64	ENRO 2	COT 8/152	TET 128	LEX 256	AMP 128	AUG 128/64	ENRO 2
C	COT 4/76	TET 64	LEX 128	AMP 64	AUG 64/32	ENRO 1	COT 4/76	TET 64	LEX 128	AMP 64	AUG 64/32	ENRO 1
D	COT 2/38	TET 32	LEX 64	AMP 32	AUG 32/16	ENRO 0.5	COT 2/38	TET 32	LEX 64	AMP 32	AUG 32/16	ENRO 0.5
E	XNL 4	TET 16	LEX 32	AMP 16	AUG 16/8	ENRO 0.25	TIO 4	TET 16	LEX 32	AMP 16	AUG 16/8	ENRO 0.25
F	XNL 2	TET 8	LEX 16	AMP 8	AUG 8/4	ENRO 0.12	TIO 2	TET 8	LEX 16	AMP 8	AUG 8/4	ENRO 0.12
G	XNL 1	TET 4	LEX 8	AMP 4	AUG 4/2	ENRO 0.06	TIO 1	TET 4	LEX 8	AMP 4	AUG 4/2	ENRO 0.06
H	XNL 0.5	TET 2	LEX 4	AMP 2	AUG 2/1	ENRO 0.03	TIO 0.5	TET 2	LEX 4	AMP 2	AUG 2/1	ENRO 0.03

COMEQ3F – Companion/Equine One Isolate Plate MIC Plate

Antimicrobics		Dilution Range
AMI	Amikacin	4 - 32
AUG2	Amoxicillin/clavulanic acid	4/2 - 32/16
AMP	Ampicillin	0.25 - 16
FAZ	Cefazolin	8 - 16
FOX	Cefoxitin	2 - 16
POD	Cepodoxime	2 - 16
XNL	Ceftiofur	0.25 - 4
CEP	Cephalothin	2 - 16
CHL	Chloramphenicol	4 - 16
CLI	Clindamycin	0.25 - 1
ENRO	Enrofloxacin	0.5 - 4
ERY	Erythromycin	0.5 - 4
GEN	Gentamicin	1 - 8
IMI	Imipenem	1 - 8
MAR	Marbofloxacin	0.25 - 2
ORB	Orbifloxacin	1 - 4
OXA+	Oxacillin+2%NaCl	0.25 - 4
PEN	Penicillin	0.06 - 8
RIF	Rifampin	1 - 2
TET	Tetracycline	2 - 8
TIC	Ticarcillin	8 - 64
TIM2	Ticarcillin/clavulanic acid	8/2 - 64/2
SXT	Trimethoprim/sulfamethoxazole	0.5/9.5 - 2/38
POS	Positive Control	
NEG	Negative Control	

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMP 0.25	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	AMP 16	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	OXA+ 4
B	AUG2 4/2	AUG2 8/4	AUG2 16/8	AUG2 32/16	AMI 4	AMI 8	AMI 16	AMI 32	CEP 2	CEP 4	CEP 8	CEP 16
C	TIC 8	TIC 16	TIC 32	TIC 64	POD 2	POD 4	POD 8	POD 16	TIM2 8/2	TIM2 16/2	TIM2 32/2	TIM2 64/2
D	SXT 0.5/9.5	SXT 1/19	SXT 2/38	CLI 0.25	CLI 0.5	CLI 1	FOX 2	FOX 4	FOX 8	FOX 16	FAZ 8	FAZ 16
E	GEN 1	GEN 2	GEN 4	GEN 8	IMI 1	IMI 2	IMI 4	IMI 8	ORB 1	ORB 2	ORB 4	NEG
F	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8	TET 2	TET 4	TET 8	POS
G	XNL 0.25	XNL 0.5	XNL 1	XNL 2	XNL 4	MAR 0.25	MAR 0.5	MAR 1	MAR 2	RIF 1	RIF 2	POS
H	ENRO 0.5	ENRO 1	ENRO 2	ENRO 4	ERY 0.5	ERY 1	ERY 2	ERY 4	CHL 4	CHL 8	CHL 16	POS

SENSITITRE PLATE LAYOUTS



JO-EYE – JustOne for Veterinary Isolates

Location	Dilution	Antimicrobial	Abbreviation
A1	POS	Positive Control	POS
A2	4	Erythromycin	ERY
A3	8	Oxytetracycline	OXY
A4	8	Gentamicin	GEN
A5	64	Ticarcilin	TIC
A6	8	Neomycin	NEO
A7	5	Polymixin B	POL
A8	2	Bacitracin	BAC
A9	16	Chloramphenicol	CHL
A10	8	Tobramycin	TOB
A11	2	Ciprofloxacin	CIP
A12	32	Amikacin	AMI

Antimicrobics Available for Veterinary Diagnostic Use

Ansamycin	Ibafloxacin*	Sulfachlorpyridazine
Apramycin	Lincomycin	Sulfadimethoxine
Avilamycin (GP)	Marbofloxacin*	Sulfadimethoxine/Ormetoprim (Primor)
Bacitracin	Neomycin	Sulfamethazine
Carbadox	Nitrofurazone	Sulfisoxazole
Ceftiofur	Novobiocin	Sulfathiazole
Cefovecin	Orbifloxacin	Tiamulin
Cephalexin	Penicillin/Novobiocin	Trimethoprim/Sulfadiazine
Chlortetracycline	Penicillin/Streptomycin	Tulathromycin
Cloxacilin	Pirlimycin	Tylosin
Danofloxacin	Polymyxin B	Tylosin tartrate
Difloxacin	Salinomycin (GP)*	Urospasmon
Doxycycline	Sarafloxacin	Virginiamycin (GP)*
Enrofloxacin	Spectinomycin	
Flavomycin*	Spiramycin	
Florfenicol		

(GP) = Growth Promoter
 * Some restrictions may apply

Note: Additional antimicrobics may be available for custom plate configurations. Contact your TREK Customer Service Representative for information.



Sensititre Supplies and Accessories

CAT #	PRODUCT DESCRIPTION
CP112-10	Mueller-Hinton Broth with Lysed Horseblood, 10ml, 10/box (must refrigerate)
CP112-2X*	Mueller-Hinton Broth with 2X Lysed Horseblood, 10ml, 10/box (must refrigerate)
CP114-10*	Mueller-Hinton Broth with Lysed Horseblood-for automated read, 11ml, 10/box (must refrigerate)
E1030	Pipette Tips, Elongated 200 µl 576/pack
E1031	Pipette Tips. 960/box
E1031-96	Tips. 96/box
E1032-10	Troughs. 10/box
E1032	Troughs. 200/box
E1041	0.5 Polymer McFarland Standard (Use with AutoInoculator and Nephelometer)
E10159	Mineral Oil
G520N	Plate Seals for MIC Plates 10/pk
E2002	Perforated Seals for GNID Plates 10/pk
E2003	Fastidious Perforated Seals/Custom Plates for Fastidious Organisms 10/pk
E3010	Doseheads. 100/box (for use with autoinoculator)
E4101	Pipette Tips for Eight Channel Automatic Pipettor; 960 tips/box
E4109	960 Pipette Tips-Ovation
E510225	Combo Loop, 10 µl/1 µl, 500/box
P0050	Disposable Inoculator for use with frozen Plates, 25/box
T1000*	Antibiotic Medium 3, 10/box
T1100*	Antimicrobial Stock Solution, Frozen, 10ml
T3338-29-10	Demineralized Water w/o TWEEN, 29ml, 10/box
T3339-10	Demineralized Water, 5ml, 10/box
T3339-10-10*	Demineralized Water, 10ml, 10/box
T3339	Demineralized Water, 5ml, 100/box
T3450***	Supplemental Brucella Broth, CE Marked, 10 ml, 10/box
T3451*	Supplemental Brucella Broth for Anaerobes, 10 ml, 10/box
T3460**	Veterinary Fastidious Medium
T3462-05	Mueller-Hinton Broth 5ml Fill. 100/box
T3462-10	Mueller-Hinton Broth 11ml Fill. 10/box
T3462	Mueller-Hinton Broth 11ml Fill. 100/box
T3470	HTM Broth 10/box (must refrigerate)
T3480*	BHI Broth, 10ml, 10/box
T5100	Susceptibility Organism Kits; Haemo Validation Set, (10 tubes/box)
T5101	Susceptibility Organism Kits; Streptococcus Validation Set, (10 tubes/box)
T5102	Susceptibility Organism Kits; YeastOne Validation Set; (10 tubes/box)
T5103	Isolate Request
T5104	Campylobacter Test Organism Set, (10 tubes/box)
T8000*	Mueller-Hinton Broth w/OADC, 5ml Fill. 10/box
T8005*	Mueller-Hinton Broth w/OADC, 10 ml Fill. 10/box
T8010*	Mueller-Hinton Broth w/2% NaCl, 11ml Fill. 10/box
T8100*	Middlebrook 7H9 with OADC, 5ml, 10/box
T8100-15*	Middlebrook 7H9 with OADC, 15ml, 10/box
T9005*	Mueller-Hinton Broth, non-adjusted, 10ml Fill. 100/box
T9005-10*	Mueller-Hinton Broth, non-adjusted, 10ml Fill. 10/box
T9010*	Mueller-Hinton Broth, non-adjusted w/LHB, 10ml Fill. 100/box
T9010-10*	Mueller-Hinton Broth, non-adjusted w/LHB, 10ml Fill. 10/box
T9020*	Mueller-Hinton Broth, cation-adjusted, 10ml, 100/box
T9020-10*	Mueller-Hinton Broth, cation-adjusted, 10ml, 10/box
T9022-10*	Mueller-Hinton Broth 2X, 11ml, 10/box
T9030*	Mueller-Hinton Broth w/TES & TWEEN, 11ml Fill. 10/box
T9035*	Mueller-Hinton Broth w/TES & LHB, 11ml Fill. 10/box
T9040*	Mueller-Hinton Broth w/2% Isovitalex, 11ml Fill. 10/box
T9042*	Mueller-Hinton Broth w/2% Isovitalex 2X, 11ml Fill. 10/box
Y3450*	RPMI Broth 10/box (must refrigerate)
Y3460*	RPMI Broth w/glucose (2%), 10ml, 10/box (must refrigerate)
Y3462	Yeast Broth 11ml. 10/box (must refrigerate)
Y3470*	AB-3 Media, 10ml, 10/box

* For research use only. Not for use in diagnostic procedures.

** For Veterinary use only.



Sensititre Instrumentation

The Sensititre modular instrumentation system provides the microbiology laboratory the flexibility to select the appropriate level of automation to meet individual needs and budgetary requirements.

Note: *Equipment specifications can be found on page 40.*

Manual System

The manual system provides an easy transition from manual Kirby Bauer readers to the advantage of full MIC testing.

CAT #	PRODUCT DESCRIPTION
V4007	Manual Viewbox
V4009	Electronic Multichannel Pipette, 25-1250ul
V4009PS	Universal Charger for Electronic Pipette (E4009)
E4101	1250 µL Refills (includes 10 x 96 pipette tips for use with re-usable box)* <i>For use with Eppendorf only</i>
E4109	960 Pipette Tips <i>For use with Ovation only (V4009)</i>
E1031	Pipette Tips, 960 tips per box*
E1032	Pipette Troughs, 200 per case, 5 per package*

* USA only

Sensititre Complete Automated System

V3000 The Sensititre complete automated system includes, ARIS 2X, SWIN Computer, Vizion® System, AutoInoculator.

Sensititre AutoInoculator Automated Inoculation

The Sensititre AutoInoculator is a microprocessor-controlled instrument that automatically delivers inoculum in 50 and 100 microliters to the 96-well Sensititre plate. The built-in Nephelometer (also available as a stand-alone item) standardizes inoculum to 0.5 McFarland. An optional plate holder allows the technologist to dose different size plates.

V3010	AutoInoculator <i>Use with E3010 Dosebeads and E1041 0.5 McFarland</i>
V3011	Nephelometer
IRA/902265	Modified Plate Holder <i>For use with Non-Offset 96-well Plates</i>

SWIN® Computer System

SW4000 SWIN Complete Computer System Includes: 2GB of RAM, 2-80 GB SATA Hard Drives, DVD RW Drive, 6+ USB ports, 1 Parallel port, keyboard, mouse, internal modem, barcode scanner, HP LaserJet printer, Windows® XP Professional, 8-port Serial to USB Converter, PC Anywhere, 17" touch screen monitor, SWIN Software



SWIN Computer System continued

SW1000	Printer, Barcode
SW1100	Labels, Barcode, 3000/roll
SW 1301	17" Touch Screen Monitor for use with Vizion upgrades
6100-30	Computer
6134-30-4	Symantec PC Anywhere Software
6150-30	Printer, HP Laserjet
6152-30	Printer Cable, 6' USB 2.0
6168-30	External 8-Port USB Serial Box
NPN-64	SWIN On-Site Training (2.5 days) Cost/Visit
NPN-65	SWIN In-House Training (2 days) Attendee. Includes Room & Meals; Excludes Transportation to Facility

SWIN Epidemiology Module

The SWIN Epidemiology Module allows end users to easily generate comprehensive susceptibility reports for trending purposes or antibiograms.*

SW120	SWIN Epidemiology Module	<i>*Must purchase SWIN Computer System (SW4000).</i>
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Sensititre AutoReader Automated Reading

Maximize reading consistency for both susceptibility and identification testing

The addition of the AutoReader allows the laboratory to take full advantage of the Sensititre System's fluorescence technology and rapid reporting. The Sensititre AutoReader is a fully automatic fluorimeter that reads both identification and susceptibility plates to maximize consistency and eliminate manual reading.

V3029	Sensititre AutoReader	<i>Requires SW4000</i>
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Sensititre ARIS® 2X Automated Reading and Incubation

Full automation reduces daily laboratory workload while providing improved speed, accuracy and reliability.

The Sensititre ARIS 2X is a fully automatic, bench-top incubating and reading system that speeds the laboratory routine. The ARIS 2X fits onto the AutoReader and uses an internal barcode scanner to identify each plate type and assign the appropriate incubation time. When the assigned time has elapsed, the ARIS 2X transports the plate to the AutoReader for fluorescence measurement, without manual intervention.

V3090	ARIS 2X Automated Reading and Incubation System	<i>Requires SW4000 and V3029</i>
V3091	ARIS 2X Barcode Printer upgrade	<i>Upgrade includes (1) V3090, (1)SW1000, (1) SW1100</i>

Note: Customer upgrades from Sensititre AutoReader to ARIS 2X Automated Reading and Incubation System require:

ARA/888354	ARIS 2X Cover
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Sensititre Specifications and Power Requirements

Nephelometer

Height	3.84 in	9.70 cm
Width	7.5 in	19.0 cm
Depth	5.3 in	13.5 cm
Weight	1.8 lbs	0.8 kg
Power requirements	8-18V AC/DC, 130mA	
Power consumption	1 WATT	

AutoInoculator

Height	9.5 in	24.0 cm
Width	16.5 in	41.3 cm
Depth	18.5 in	46.4 cm
Weight	37.5 lbs	17 kg
Power requirements	115 VAC 60Hz	220/240 VAC 50Hz
Power consumption	60 WATTS	

Vizion® System

Height	12.4 in	31.5 cm
Width	10.36 in	26.3 cm
Depth	13.94 in	35.4 cm
Weight	21 lbs	9.5 kg
Power requirements	110/240 VAC, 50-60Hz	110/240 VAC, 50-60Hz
Power consumption	8 WATTS	

AutoReader

Height	8 in	19.1 cm
Width	16.5 in	41.9 cm
Depth	18.5 in	47.0 cm
Weight	29 lbs	13 kg
Power requirements	115 VAC 60Hz	220/240 VAC 50Hz
Power consumption	50 WATTS	

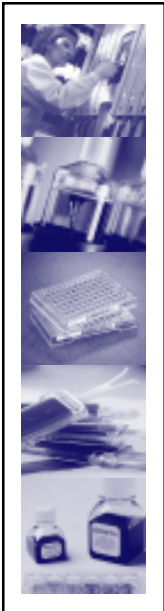
ARIS 2X

Height	28 in	70.0 cm
Width	25 in	63.0 cm
Depth	19 in	48.0 cm
Weight (without AutoReader)	99.2 lbs.	45 kg
Power requirements	110/120 VAC 60Hz	220/240 VAC 50Hz
Power consumption	230 WATTS (including AutoReader)	



onSite®

onSite® Urine Culture Device



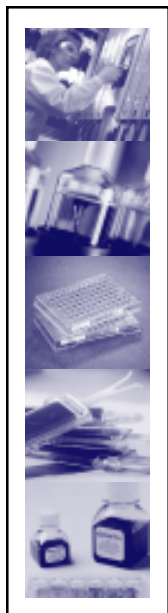
The onSite Urine Culture Device combines the sensitivity and specificity of the traditional urine culture method with the convenience and efficiency of a unique design for detecting, enumerating, and identifying specific bacteria in urine. Each onSite device is a transparent, hinged casing containing face-to-face plates of agar with a plastic sampler with two curved tips located between the plates. The agar structure is elongated to ensure longitudinal streaking of urine by the sampler.

Each onSite device contains one plate of MacConkey agar, a selective medium that provides excellent differentiation between coliforms and non-lactose fermenters with inhibition of gram positive cocci, and one plate of CLED agar.

CAT #	PRODUCT DESCRIPTION
UR-CLED	MacConkey and CLED, a differential medium that supports growth of both gram positive and gram negative bacteria as well as <i>Pseudomonas</i> and <i>Proteus</i> which do not ferment lactose, 100/box sealed in bags of 10 each
UR-TSHEET	Quick reference guide to the proper use of onSite for the point of collection staff, 10 laminated sheets per shrink wrapped package

alamarBlue®

alamarBlue® Colormetric Growth Indicator Dye



alamarBlue Colormetric Growth Indicator Dye is designed to measure quantitatively the proliferation of various human and animal cell lines, bacteria, and fungi. The bioassay may also be used to establish relative cytotoxicity of agents within various chemical classes. The toxicologist can establish baseline data for predicting the toxicity of related novel agents by comparing the baseline data with known *in-vitro* toxicity.

As cells being tested grow, innate metabolic activity results in a chemical reduction of the immediate surrounding environment. Continued growth maintains a reduced environment, while inhibition of growth maintains an oxidized environment. Reduction related to growth causes the Redox indicator to change from oxidized (nonfluorescent, blue) form to reduced (fluorescent, red) form.

alamarBlue dye incorporates a fluorometric/colormetric growth indicator based on detection of metabolic activity. Specifically, the system incorporates an oxidation-reduction (Redox) indicator that both fluoresces and changes color in response to chemical reduction of growth medium resulting from cell growth.

CAT #	PRODUCT DESCRIPTION
00-025	25ml Bottle
00-100	100ml Bottle
00-010	10ml Bottle (at 10x concentration)



TREK Purchase Terms And Conditions

1. EXCLUSIVE TERMS OF SALE. Products ordered from TREK Diagnostic Systems, Inc. (TREK) are sold only on the following terms and conditions.

These terms and conditions apply to all orders, whether placed by written purchase order, facsimile, or telephonically. Any references to your purchase order, acknowledgement, or other document is for administrative purposes and shall not be binding on TREK unless specifically accepted in writing by an authorized representative of TREK.

2. PRICE. The prices for Products do not include, (1) transportation from TREK, (2) taxes or duties or (3) any handling, rigging, uncrating, storage, or other charges incidental to shipment, delivery, or installation of the Products. Prices are subject to change without notice.

3. PAYMENT TERMS. Payment terms are NET 30 days from the date of the invoice. TREK reserves the right to change its credit and payment terms without notice. Customer obligations hereunder are independent of any other obligations that Customer may have under other contracts or accounts with TREK. Customer agrees not to exercise any right of setoff in connection with the terms and conditions hereof or any other contract or account with TREK.

The Customer grants TREK a purchase money security interest in all of any Product purchased from TREK until all payments for the Product have been received by TREK. The Customer agrees to reasonably assist TREK to perfect a security interest or vendor's lien on any unpaid for Product.

In the event of a breach of any of these terms and conditions, TREK may accelerate any balance due and require immediate payment thereof.

The Customer agrees to pay a finance charge at the rate of one and one-half percent (1-1/2%) per month computed from the date each delinquent payment or accelerated balance shall have become due. In any action initiated to enforce the terms of this Agreement following the Customer's default, TREK shall be entitled to recover as part of its damages all costs, expenses, and attorney fees incurred in connection with such action.

4. SHIPPING AND DELIVERY TERMS. All terms are F.O.B. origin, freight prepaid and added. Title and risk of loss passes to Customer upon shipment, and Customer is responsible for insurance against such risk.

5. SITE PREPARATION AND INSTALLATION. Customer is solely responsible for preparing the site prior to equipment installation in accordance with the requirements provided by TREK relating to power, power conditioning, ambient temperature and humidity ranges, ventilation and communication lines.

TREK OFFERS NO WARRANTY AND ASSUMES NO LIABILITY FOR THE FITNESS OR ADEQUACY OF THE PREMISES (OR THE UTILITIES AVAILABLE AT THE PREMISES) IN WHICH A PRODUCT IS TO BE INSTALLED, USED, OR STORED. ACCORDINGLY, CUSTOMER AGREES TO INDEMNIFY, DEFEND, AND HOLD TREK HARMLESS AGAINST ANY LOSS, DAMAGE, OR CLAIM ARISING OUT OF THE CONDITION OF SUCH PREMISES (OR UTILITIES).

6. GOVERNMENT APPROVAL. Customer is responsible for obtaining all government approvals required for the purchase, installation and use of any Products purchased from TREK.

7. RETURNS. TREK shall not allow returns of any of the following: (1) any products not purchased from TREK, (2) any special or unique goods and any products purchased on a custom or special order basis; (3) any chemicals, diagnostic materials, sterile products, or consumable items (unless defective and covered under manufacturer's warranty); (4) equipment or single-use products already used, already outside of original packaging, or separated from original labeling and operating manuals; (5) any products with damaged, missing, or defaced labeling or packaging; (6) any products within eight (8) months of the expiration date as noted on the package(s); and (7) any products not returned by you and received by TREK within 45 days of the date of TREK's invoice. All returns are subject to a restocking charge of 20 percent (20%) of the original invoiced price. Customer is responsible for all freight and insurance in returning any products to TREK. Moreover, you agree to comply with all special packaging and labeling requirements of TREK consistent with applicable law and regulations.

8. WARRANTY, DISCLAIMERS AND LIMITATIONS ON LIABILITY. TREK provides specific warranties with respect to the Products that it manufactures. All other Products are covered by warranty terms extended by the manufacturer(s) or supplier(s) of such Products, copies of which are available from TREK upon written request. No other warranties are offered by TREK with respect to any Equipment or Goods. Warranties are subject to change without notice.

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TREK SHALL HAVE NO LIABILITY FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES BY REASON OF ANY ACT OR OMISSION OR ARISING OUT OF OR IN CONNECTION WITH THE PRODUCTS OR THEIR SALE, DELIVERY, INSTALLATION, MAINTENANCE, OPERATION, PERFORMANCE, OR USE WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE. SUCH DAMAGES SHALL INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OF USE OF THE PRODUCTS OR ANY ASSOCIATED EQUIPMENT, DAMAGE TO ASSOCIATED BUILDINGS, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES, SERVICES, OR REPLACEMENT POWER, DOWN TIME COSTS, OR CLAIMS OF YOUR CUSTOMER.

9. INDEMNITIES. TREK agrees to indemnify, defend and keep Customer harmless from and against all liabilities, damages, losses, penalties, claims, actions and cost incurred or asserted against customer resulting from the proven negligence of TREK, its employees, agents, and subcontractors arising from the use of the Products.

TREK agrees to indemnify, defend and keep Customer harmless from and against all liabilities, damages, losses, penalties, claims, actions and cost incurred or asserted against Customer arising from the claims of patent infringement relating to the use of the Product, providing TREK is promptly notified by the Customer of the alleged infringement and is allowed to control the defense and resolution of the claim.

10. SOFTWARE LICENSE. TREK grants to Customer a nonexclusive and nontransferable license to use the computer software necessary for the operation of the equipment. This license does not extend to any maintenance or service software located at Customer's premises, which is intended to assist TREK employees in the installation, testing, service and maintenance of the equipment.

THE LICENSE HEREBY GRANTED TO THE CUSTOMER DOES NOT INCLUDE ANY RIGHT TO USE THE SOFTWARE (FOR PURPOSES OTHER THAN THE OPERATION OF THE EQUIPMENT) OR TO COPY, REPRODUCE, SELL, ASSIGN, TRANSFER OR SUBLICENSE THE SOFTWARE FOR ANY PURPOSE, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF THE PRESIDENT OF TREK.

The rights herein granted to the Customer shall not affect the exclusive ownership by TREK of the software, trademarks, copyrights, patents, trade secrets, proprietary rights of TREK pertaining to the software.

11. MISCELLANEOUS. The construction, design, or configuration of the Products is subject to change without notice. Product(s) may contain certain components that have been remanufactured or refurbished following limited prior use. Availability of Product(s) may vary with demand; Product(s) may be discontinued without notice. TREK may allocate available supplies on such basis as TREK may deem fair and practical without liability for any resulting failure or performance.

The invalidity or unenforceability of any these terms and conditions will not affect any other of these terms and conditions. The failure of you or TREK at any time to require the performance of any obligation will not affect the right to require such performance thereafter. The waiver of any remedy with respect to any default will not be taken as a waiver of any remedy for any succeeding default.

Course of dealing, prior dealings, industry standards, and customary practice shall not serve as references in interpreting these terms and conditions.

Neither party will be liable for any failure to perform its obligations hereunder, except payment obligations, due to strikes, fires, explosions, flood, riot, lockout, injunction, interruption of transportation, unavoidable accidents, or other causes beyond their reasonable control.

Custom orders are non-cancelable.

The terms of this Agreement may only be modified in a writing that is signed by an authorized representative of TREK.

These terms and conditions are to be interpreted and enforced under the law of the State of Ohio without regard to principles of choice of law.

Freight Claim Policy

VISIBLE DAMAGES OR SHORTAGES Both Customer and the carrier shall examine the contents of shipments suffering visible damage or shortage. Both the carrier's copy and the consignee's copy of the delivery receipt shall be endorsed as to damage or shortage in order to substantiate the proper amount of any damage. Customer shall notify the carrier promptly to request inspection of the damaged goods. Report of visible damages or shortage must be made within five (5) days of delivery. All damaged or shorted goods including all packaging and packing materials shall be held by Customer for disposition by the carrier.

CONCEALED LOSS OR DAMAGE Customer shall leave any products suffering from concealed loss or damage in their original container(s) and permit the carrier to inspect the same. Since any reports and inspection of concealed loss and damage must be made within 15 days of delivery, Customer must request inspection by the carrier immediately upon discovery of the loss or damages. Notice to the carrier may be given by telephone or in person and shall be confirmed by mail. The carrier's inspection report shall be completed within 48 hours of the carrier's inspection and both the carrier and Customer shall sign this report. Customer should take exception to any statement by the carrier's inspector with which Customer does not agree. Customer shall retain all goods inspected for concealed loss or damage for disposition by the carrier.

FILED CLAIMS Any claim must be in the possession of the carrier within nine (9) months of the date of delivery (or within nine [9] months of the date of shipment if the exact date of delivery cannot be ascertained.) All claims must be filed for a specific amount and must be supported by copies of the following: (1) the bill of lading; (2) the original invoice (or a certified copy or extract from the original invoice); (3) the carrier's documents pertaining to the particular shipment involved (wherein the carrier has acknowledged loss or damage by signing and endorsing such documentation); or (4) the original inspection report as to any concealed loss or damage claim. Copies of these documents and Customer's completed Standard Form for Presentation of Loss and Damage Claims shall be presented to the carrier. Customer shall contact its TREK representative for further instructions and administrative details in handling freight claims, if needed.