



Systems and Consumable Products

FOR THE MICROBIOLOGY DIAGNOSTIC LABORATORY

**VERSATREK® AUTOMATED MICROBIAL
DETECTION SYSTEM**

ESP® CULTURE SYSTEM II

SENSITITRE® MICROBIOLOGY SYSTEMS

ONSITE® URINE CULTURE DEVICE

ALAMARBLUE®



It is with pleasure that we provide you with our new 2003 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**

- Introducing the “new energy” in microbial detection, VersaTREK is the totally new automated solution from TREK Diagnostic Systems. Offering VorTrexing™ agitation and four tests in one system (blood culture testing, sterile body fluid culturing, mycobacterial detection and *M.tb.* susceptibility testing), VersaTREK is the answer to the clinical microbiologists’ need for a versatile and reliable automated system.

- **ESP® Culture System II** - Proven technology for automated blood and sterile body fluid culturing, mycobacterial detection, and *M.tb.* susceptibility testing, ESP is also the first system to offer automated testing for John’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 quantitatively 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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VersaTREK®

VersaTREK® Automated Microbial Detection System



The VersaTREK Automated Microbial Detection System is the totally new automated solution from TREK Diagnostic Systems. Offering four tests in one system, blood culture, sterile body fluid culturing, mycobacterial detection, and *M.tb.* susceptibility testing, VersaTREK is the answer to the clinical microbiologists' need for a versatile and reliable automated system.

VersaTREK relies on unique media to promote both gas consumption and production for detecting changes in headspace pressure. The REDOX 1® and REDOX 2® two-bottle system works together in providing essential nutrients in an ideal environment to promote growth of the widest range of fastidious and non-fastidious organisms. Utilizing dilution and timing, VersaTREK's media eliminates the need for special additives or special media such as resins, pediatric, lytic or fungal

medias. The system also incorporates a new exclusive VorTrexing™ agitation method for the most thorough oxygenation of the aerobic bottles.

VersaTREK reduces sharps with the only FDA cleared direct draw bottle option: the EZ Draw®. Additional safety features minimize breakage, sharps exposure and aerosols.

One touch software offers efficient workflow, smooth processing, rapid access to patient care information and improved data retrieval. Compatible with current LIS interfaces, the system performs on a state-of-the-art Microsoft® Windows® XP Professional platform, supports the efficiency of Ethernet networking, and incorporates the functionality of extensive data management reports, including workload, contaminants, positive/negatives, culture summaries and more.

VersaTREK Instruments

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

- Enhanced ergonomics and convenient bottle management provide optimal staff efficiency and convenience
- **A**ny Bottle anywhere **C**oncept 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 new VorTrexing™ agitation, delivers the best media and instrument combination
- Modular design accommodates the laboratory's changing capacity requirements

TREK
DIAGNOSTIC SYSTEMS

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)

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)

Note: All systems may be configured as combination instruments for blood culture and mycobacteria detection.

VersaTREK Instrument Accessories

6020-30	VersaTREK 240 cart
6030-30	VersaTREK drawer, 24 test
6032-30	VersaTREK faceplate
6040-30	VersaTREK Myco bottle adaptor, 25/box
6042-30	VersaTREK bottle replacement module
6400-30	VersaTREK Operator Manual (CD)
6424-30	Bottle Carry Rack
6440-30	Thermometer
6420-30	VersaTREK Stylus, 3/pack
6044-30	Red Disable Location Caps, each

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 both VersaTREK and ESP. Compatible with current LIS interfaces, the system performs on a state-of-the-art 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
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6100-30	VersaTREK/ESP Computer
6100-31	VersaTREK Computer Package, Standard ESP, 15" Monitor



CAT #	PRODUCT DESCRIPTION
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VersaTREK Windows Software

6110-31	VersaTREK Computer Package - Standard with 15" monitor
6117-30	External hard drive, USB 2.0 with cable
6130-31	VersaTREK software system
6131-30	VersaTREK Windows Software CD-Rom
6132-30	Microsoft Access XP
6134-30	Symantec PC anywhere V10.5
6140-30	Monitor, 15" LCD touch screen
6150-30	Printer, HP Laser Jet 1200 se
6152-30	Printer cable, 6', USB 2.0 A/B
6159-30	Ethernet Switch, 8-port
6161-30	UPS, 1200 VA Universal, 6-outlet
6168-30	External 8-port USB serial box
6170-30	AT Adaptor Cable, DB9F-DB25M, 0.25M

VersaTREK REDOX Media

VersaTREK microbial detection media is based on an enhanced media formulation that delivers unparalleled versatility, broad range recoverability, unique growth response curves, VorTrexing™ agitation, unquestioned reliability, and simple ease-of-use.

- Enhanced versatile media system consists of two formulations: REDOX 1® and REDOX 2®
- 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
- Media uses dilution and timing to detect microbes instead of costly specialized additive media
- Media provides an optimum blood-to-broth ratio environment as a more natural and scientifically sound solution to minimize the potential ill effect of host blood factors, antimicrobials, and other agents

CAT #	PRODUCT DESCRIPTION
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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



CAT #	PRODUCT DESCRIPTION
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VersaTREK Media Accessories

7150-44	VersaTREK Connectors, 50/box
6040-30	VersaTREK Myco Bottle Adaptors, 25/box
6424-30	Bottle Carry Rack
6440-30	Thermometer
6420-30	VersaTREK Stylus, 3/pack
6044-30	Red Disable Location Caps, each
6450-35	VersaTREK EZ-ID labels, 100 per pack

M. tuberculosis Detection and Susceptibility Testing

Only one formulation is needed for detection and recovery of mycobacteria from *all* samples. The same technology is utilized to measure changes in headspace pressure. Patented cellulose sponge material provides greater surface area. Direct probe testing is FDA cleared. The Mycobacteria Susceptibility Kit remains the only automated method cleared by the FDA for *Mycobacterium tuberculosis* testing. The kit includes Rifampin, Isoniazid, and Ethambutol.

CAT #	PRODUCT DESCRIPTION
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7111-42	VersaTREK Myco - Modified Middlebrook 7H9 Broth w/Compressed Cellulose Sponges - 12.5ml, 50/case
7112-42	VersaTREK Myco GS Growth Supplement, 50ml, 5/box
7113-42	VersaTREK Myco PVNA (Polymyxin B, Vancomycin, Nalidixic Acid, Amphotericin B), 15ml, 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
6040-30	VersaTREK Myco Bottle Adaptor, 25/box

* Pending 510(k) clearance. Not yet for sale in the U.S.

Specifications and Power Requirements

VersaTREK 96-240 Bottle 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



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Information listed herein is subject to change without notice.

VersaTREK 96-240 Bottle 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 96-528 Bottle 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.





ESP® Culture System II



The ESP Culture System II incorporates a unique, sensitive technology which measures the pressure change within the headspace of a culture bottle containing media specifically engineered to maximize both the consumption and production of gas as a by-product of microbial metabolism. The system has been proven to reliably detect the presence of microbes, including Mycobacteria, from blood, sterile body fluids, respiratory, gastric, fecal, and tissue specimens.

The ESP culture media has been specifically engineered to meet the technical and practical challenges inherent in automated culture testing.

This is accomplished with a two-bottle blood culture formulation without the need for resins, pediatric, lytic or fungal media.

The ESP instrument has been designed to combine routine blood and body fluid culture, Mycobacteria detection and susceptibility testing on the same instrument. This unique capability eliminates the need for the multiple instrument technology platforms required by competing systems. An instrument choice providing 128, 256 or 384 test positions is available to meet individual lab test volumes. Custom combination systems can be created to meet specific test requirements.

ESP Culture System II Instruments

Flexibility is the hallmark of the ESP. Blood and body fluid culture, nonradiometric mycobacteria detection, and mycobacteria susceptibility testing for the primary antibiotics for *M. tuberculosis* can be performed on the same instrument.

- ESP's closed system design allows the safe handling of all specimens throughout the lab
- The customizable instrument configuration allows you to design a system that efficiently accommodates your test volumes
- 1,920 test sites can be monitored by one PC for reduced cost and improved efficiency

Note: Equipment specifications can be found on page 11.

CAT #	PRODUCT DESCRIPTION
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ESP Culture System II - 128 bottle capacity with cart

7000-31	Base Unit, 110V/60Hz
7005-31	Base Unit, 220V/50Hz - TUV Europe

ESP Culture System II - 256 bottle capacity

7008-31	Base Unit, 110V/60Hz
7008-34	Base Unit, 220V/50Hz - TUV Europe

CAT #	PRODUCT DESCRIPTION
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ESP Culture System II – 384 bottle capacity

7010-31	Base Unit, 110V/60Hz
7015-31	Base Unit, 220V/50Hz - TUV Europe

Note: All systems may be configured as combination instruments for blood culture and mycobacteria detection.

ESP Culture System II Accessories

7017-31	Uninterruptable Power Supply - 2KVA
7052-30	ESP Operator's Manual
7054-30	ESP Service Manual
7156-31	Myco Module Labels
7200-30	16 Position Module Drawer with Built-in Laser Scanner
7200-31	16 Position Module Drawer, Aerobic
7200-32	16 Position Module Drawer, Anaerobic
7213-31	16 Position Myco Drawer
7317-00	Blood Culture Replacement Bottle Adapter
7317-99	Myco Cup Adapters, 25/box
7508-30	Seismic Restraint for ESP 256 and ESP 384 Systems
7508-31	Seismic Restraint for ESP 128 System
7717-00	Breakout Cable

ESP Controller System

7020-32	ESP Controller System - US - Includes CPU, Color Monitor, Keyboard, Mouse, Printer, Communications Cable, Printer Cable
7021-32	ESP Controller System - Europe - Includes CPU, Color Monitor, Keyboard, Mouse, Printer, Communications Cable, Printer Cable
7022-32	ESP Controller System - Spain - Includes CPU, Color Monitor, Keyboard, Mouse, Printer, Communications Cables, Printer Cable
7504-30	Barcode Scanner for ESP Controller
7733-00	Surge Protector for ESP Controller



ESP Culture System II Media

ESP's proprietary formulation supports the growth of the widest variety of microorganisms and is effective for all specimen types without any additives. Essential growth factors allow a much smaller amount of blood to be drawn. FDA clearance for volumes from 0.1ml to 10ml accommodates difficult draws and makes pediatric bottles unnecessary. Optimized blood:broth dilution ratio neutralizes effects of antibiotics and other inhibitory substances, so resins and fan media are not needed. ESP media reliably detects clinically significant episodes of septicemia with minimum false-positive rates due to contaminants.

CAT #	PRODUCT DESCRIPTION
7101-44	VersaTREK REDOX 1 80 ml, 50/case
7103-44	VersaTREK REDOX 2 80 ml, 50/case
7105-44	VersaTREK REDOX 1 EZ Draw 40 ml, 50/case
7107-44	VersaTREK REDOX 2 EZ Draw 40 ml, 50/case
7110-44	VersaTREK REDOX 2M EZ Draw 40 ml, 50/case
7150-44	VersaTREK Connector, 50/box



Mycobacterium Tuberculosis Detection and Susceptibility Testing for ESP Culture System II

The flexible design of the ESP Culture System II provides the capability for blood culture, nonradiometric mycobacteria detection and susceptibility testing on the same instrument. Myco Broth's impact-resistant bottles with the connector's hydrophobic membranes and closed system design allows for safe handling of all specimens throughout the microbiology laboratory.

CAT #	PRODUCT DESCRIPTION
7111-42	Myco - Modified Middlebrook 7H9 Broth w/Compressed Cellulose Sponges - 12.5ml, 50/case
7112-42	Myco GS Growth Supplement, 50ml, 5/box
7113-42	Myco PVNA (Polymyxin B, Vancomycin, Nalidixic Acid, Amphotericin B), 15ml, 5/box
7114-42	Myco AS Antibiotic Supplement, 25ml, 5/box
7059-60	EZ ID Barcode Labels for Use with 7111-42, 100/box

For susceptibility testing of *M. tuberculosis*, the ESP Culture System II combines Myco broth, a growth supplement, and primary antibiotics with a detection system that automatically incubates and continuously monitors culture bottles inoculated with isolates from various specimen sources.

7115-60	Myco Susceptibility Kit: 2x25ml Rifampin; 2x 25ml Isoniazid; 3x25ml Ethambutol
7116-70	Myco PZA Kit*: 2x25ml Pyrazinamide, 4x25ml PZA Rehydration Buffer

** Pending 510(k) clearance. Not yet for sale in the U.S.*

ESP System for Veterinary Applications

The ESP Culture System II is now available in a custom configuration designed for the veterinary microbiology laboratory. The system is designed to accommodate 128, 256 or 384 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.

Instruments and Accessories

7000-32R	ESP Culture System II -- 128 bottle capacity, 110 Volt, 60 Hz
7005-31	ESP Culture System II -- 128 bottle capacity, 220 Volt, 50 Hz
7008-32R	ESP Culture System II - 256 bottle capacity, 110 Volt, 60 Hz
7008-34	ESP Culture System II - 256 bottle capacity, 220 Volt, 50 Hz
7010-32R	ESP Culture System II - 384 bottle capacity, 110 Volt, 60 Hz
7015-31	ESP Culture System II - 384 bottle capacity, 220 Volt, 50 Hz
7017-31	Uninterruptable Power Supply - 2KVA
7020-32	ESP Controller System, US - Includes CPU, Color Monitor, Keyboard, Mouse, Printer, Communications Cables

CAT #	PRODUCT DESCRIPTION
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Instruments and Accessories

7021-32	ESP Controller System, Europe - Includes CPU, Color Monitor, Keyboard, Mouse, Printer, Communications Cables
7052-30	ESP Operator's Manual
7054-30	ESP Service Manual
7055-30	ESP Operator's Manual Addendum for Veterinary Application
7317-99	Myco Cup Adapters, 16/box
7508-30	Seismic Restraint for ESP Culture System II - 256 bottle capacity or 384 bottle capacity
7733-00	Surge Protector for ESP Controller System

System Software

7080-30	Custom software package for veterinary applications
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para-JEM® - Detection of *Mycobacterium avium* subsp. *paratuberculosis* on ESP

Solid medium culture is the standard procedure for the detection of *M. avium* subsp. *paratuberculosis* in bovine fecal samples. Because of the long generation time of the bacterium, it can take up to 12 weeks incubation before the bacteria grow on solid medium. In collaboration with veterinary diagnostic laboratories, TREK has developed a rapid detection method using a liquid culture.

The ESP Culture System II 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.

Reagents

7130-42	<i>para-JEM®</i> 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, and 250 connectors
7131-42	<i>para-JEM</i> Broth, 11.5ml, 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
7150-44	VersaTREK Connector, 50/box



ESP Specifications

ESP 128

ESP Instrument

Height	36.5 in (feet retracted)	92.71cm
Width	34.25 in	87 cm
Depth	27.5 in	69.85 cm
Weight	600 lb	272.15 kg

Cart

Height	30 in	76.2 cm
Width	34.25 in	87 cm
Depth	31.5 in	80 cm
Weight	350 lb	158.75 kg

ESP 256/384

ESP Instrument

Height	79.5 in (feet retracted)	201.93 cm
Width	34.5 in	87.63 cm
Depth	28 in	71.12 cm
Weight	1,380 lb	625.96 kg

Power Requirements

ESP 128/256/384

At Outlet	110/120 VAC; 60Hz; 15A Dedicated/Grounded	220/230 VAC; 50Hz; 7.5A Dedicated/Grounded
	Emergency Power Circuit Preferred (ESP Main Breaker Rating 15A)	Emergency Power Circuit Preferred (ESP Main Breaker Rating 7.5A)
Power Draw	13A Maximum under Normal Operating Conditions; 10A Nominal	6A Nominal Approx.



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.

Sensititre 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, Sensititre 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 greater antimicrobial stability than frozen plates. Because plates are dosed with antibiotics only, each laboratory can

choose the appropriate Sensititre broth for testing, allowing the same plate design to be used for multiple protocols. 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.
- If extended incubation is required for identification, the same plate can be re-incubated eliminating the need to re-inoculate a new plate.
- 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
<i>For use with Sensititre AutoReader or Sensititre ARIS® 2X systems</i>	

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-MMethyl Coumarin Amide

	1	2	3	4	5	6	7	8	9	10	11	12
A	FR1*	UREA*	ORNI-THINE	SORB-ITOL	FR1*	UREA*	ORNI-THINE	SORB-ITOL	FR1*	UREA*	ORNI-THINE	SORB-ITOL
B	XYL-OSE	FR12	SUCR-OSE	FR9	XYL-OSE	FR12	SUCR-OSE	FR9	XYL-OSE	FR12	SUCR-OSE	FR9
C	FR3	TREHA-LOSE	FR8	MANN-ITOL	FR3	TREHA-LOSE	FR8	MANN-ITOL	FR3	TREHA-LOSE	FR8	MANN-ITOL
D	MALT-OSE	FR4	INOSI-TOL	FR10	MALT-OSE	FR4	INOSI-TOL	FR10	MALT-OSE	FR4	INOSI-TOL	FR10
E	FR5	FRUCT-OSE	AESCU-LIN	ARABI-TOL	FR5	FRUCT-OSE	AESCU-LIN	ARABI-TOL	FR5	FRUCT-OSE	AESCU-LIN	ARABI-TOL
F	ARABI-NOSE	LYSINE	TDA	RAFFIN-OSE	ARABI-NOSE	LYSINE	TDA	RAFFIN-OSE	ARABI-NOSE	LYSINE	TDA	RAFFIN-OSE
G	FR7	ARGIN-INE	FR6	CELLO-BIOSE	FR7	ARGIN-INE	FR6	CELLO-BIOSE	FR7	ARGIN-INE	FR6	CELLO-BIOSE
H	MALO-NATE	PYRU-VATE	CIT-RATE	AGMA-TINE	MALO-NATE	PYRU-VATE	CIT-RATE	AGMA-TINE	MALO-NATE	PYRU-VATE	CIT-RATE	AGMA-TINE

*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	Citruline 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	URE-AS*	AESCU-LIN	ARGI-NINE	FR13	URE-ASE*	AESCU-LIN	ARGI-NINE	FR13	URE-ASE*	AESCU-LIN	ARGI-NINE	FR13
D	FR16	RHAM-NOSE	FR15	MANNI-TOL	FR16	RHAM-NOSE	FR15	MANNI-TOL	FR16	RHAM-NOSE	FR15	MANNI-TOL
C	FR14	TREHA-LOSE	FR17	MAL-TOSE	FR14	TREHA-LOSE	FR17	MAL-TOSE	FR14	TREHA-LOSE	FR17	MAL-TOSE
D	FR18	FR19	FR20	FR21	FR18	FR19	FR20	FR21	FR18	FR19	FR20	FR21
E	FR22	FR23	GLY-CEROL	FR24	FR22	FR23	GLY-CEROL	FR24	FR22	FR23	GLY-CEROL	FR24
F	FR25	GLU-COSE	SU-CROSE	FR26	FR25	GLU-COSE	SU-CROSE	FR26	FR25	GLU-COSE	SU-CROSE	FR26
G	FR27	BMETHY LGLUCO SIDE	FR28	FR29	FR27	BMETHY LGLUCO SIDE	FR28	FR29	FR27	BMETHY LGLUCO SIDE	FR28	FR29
H	SORBI-TOL	FR30	FR31	FR32	SORBI-TOL	FR30	FR31	FR32	SORBI-TOL	FR30	FR31	FR32

*UREA REQUIRES AN OIL OVERLAY OF STERILE MINERAL OIL

Information listed herein is subject to change without notice.

Standard Susceptibility Plates

Sensititre 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
ESB1F	ESBL Confirmatory MIC Plate with Substrates in Wells, 10/box
GPN**	Gram-Positive MIC, 10/box
GN1F	Gram-Negative MIC Plate with Substrates in Wells, 10/box
GPN2F	Gram-Positive MIC Plate with Substrates in Wells, 10/box
HPB	Haemophilus/ <i>Streptococcus pneumoniae</i> , 10/box <i>Haemophilus testing requires T3462-05 Mueller-Hinton Broth 5ml Fill and T3470 HTM Broth; Strep testing requires T3462-05 Mueller-Hinton Broth 5ml Fill and CP112-10 Mueller-Hinton Broth with Lysed Horseblood 11ml</i>
MG**	Gram-Positive MIC, 10/box
MH*	Gram-Negative MIC, 10/box
MI*	Gram-Negative MIC, 10/box
MJ*	Gram-Negative MIC, 10/box <i>MIC plates require T3339 Demineralized Water and T3462 Mueller-Hinton Broth</i>
NF	Gram-Negative, MIC, 10/box
STP3F	<i>Streptococcus pneumoniae</i> MIC Plate with SIW, 10/box
YO-2	YeastOne® Plate for <i>in vitro</i> diagnostic use, 10/box <i>Requires Y3462 YeastOne Broth and T3339-10 Demineralized Water</i>
YO-3	YeastOne Plate with Voriconazole, 10/box (available outside USA only) <i>Requires Y3462 YeastOne Broth and T3339-10 Demineralized Water</i>
YO-4 [†]	YeastOne Plate with Voriconazole for research use only, 10/box <i>Requires Y3462 YeastOne Broth and T3339-10 Demineralized Water</i>
YO-5 [†]	YeastOne Plate with Caspofungin for research use only, 10/box <i>Requires Y3462 YeastOne Broth and T3339-10 Demineralized Water</i>

* Requires E1012 Substrate Strips if reading plates with V3029 AutoReader or V3090 ARIS

** Requires E1014 Substrate Strips if reading plates with V3029 AutoReader or V3090 ARIS.

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



Standard Susceptibility Plate Layouts

GN1F - Gram-Negative MIC Plate

Antimicrobics

AMI	Amikacin
AMP	Ampicillin
A/S2	Ampicillin / sulbactam
AZT	Aztreonam
FAZ	Cefazolin
FEP	Cefepime
TANS	Cefotetan Na
AXO	Ceftriaxone
TAZ	Ceftazidime
FOX	Cefoxitin
FUR	Cefuroxime
CIP	Ciprofloxacin
GEN	Gentamicin
IMI	Imipenem
GAT	Gatifloxacin
MERO	Meropenem
PIP	Piperacillin
NIT	Nitrofurantoin
P/T4	Piperacillin / tazobactam constant 4
TIM2	Ticarcillin / clavulanic acid constant 2
TOB	Tobramycin
SXT	Trimethoprim/Sulfamethoxazole
POD	Cefpodoxime
NEG	Negative Control

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

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

GPN2F - Gram-Positive MIC Plate

Antimicrobics

ERY	Erythromycin
CLA	Clarithromycin
VAN	Vancomycin
SYN	Quinupristin / dalfopristin
CLI	Clindamycin
FAZ	Cefazolin
TET	Tetracycline
AMP	Ampicillin
GEN	Gentamicin
LEVO	Levofloxacin
AXO	Ceftriaxone
STR	Streptomycin
PEN	Penicillin
RIF	Rifampin
GAT	Gatifloxacin
CIP	Ciprofloxacin
SXT	Trimethoprim / sulfamethoxazole
OXA+	Oxacillin+2%NaCL
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	ERY 8	CLA 1	CLA 2	CLA 4	CLA 8	GEN 500	STR 1000
B	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	VAN 32	SYN 0.12	SYN 0.25	SYN 0.5	SYN 1	SYN 2	SYN 4
C	CLI 0.5	CLI 1	CLI 2	CLI 4	FAZ 2	FAZ 4	FAZ 8	FAZ 16	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

AN02B – Anaerobic MIC

Antimicrobics

A/S2	Ampicillin / sulbactam
AUG2	Amoxicillin / clavulanic acid
TANS	Cefotetan Na
PEN	Penicillin
IMI	Imipenem
MERO	Meropenem
CLI	Clindamycin
FOX	Cefoxitin
MRD	Metronidazole
CHL	Chloramphenicol
AMP	Ampicillin
PIP	Piperacillin
TET	Tetracycline
MEZ	Mezlocillin
P/T4	Piperacillin / tazobactam constant 4
POS	Positive Control

	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

Antimicrobics

CEPHEMS	
TAZ	Ceftazidime
FAZ	Cefazolin
FEP	Cefepime
FOX	Cefoxitin
CEP	Cephalothin
POD	Cefpodoxime
FOT	Cefotaxime
AXO	Ceftriaxone
CARBAPENEM	
IMI	Imipenem
MERO	Meropenem
AMINOGLYCOSIDE	
GEN	Gentamicin
PENICILLIN	
AMP	Ampicillin
FLUOROQUINOLONE	
CIP	Ciprofloxacin
<i>Beta lactam/Beta lactamase Inhibitor</i>	
P/T4	Piperacillin / tazobactam constant 4
T/C	Ceftazidime / clavulanic acid
F/C	Cefotaxime / clavulanic acid
Controls	
POS	Positive Control
NEG	Negative Control

ESB1F

	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

Standard Susceptibility Plate Layouts

Antimicrobics

Dilution Range

TAZ	Ceftazidime	1 - 16
GEN	Gentamicin	1 - 8
PIP	Piperacillin	8 - 64
P/T	Piperacillin/Tazobactam cont.4	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
TIC	Ticarcillin/clavulanic acid cont.2	16/2 - 128/2
SXT	Trimethoprim/sulfamethoxazole	0.5/9.5 - 4/76
A/S	Ampicillin/sulbactam 2:1 ratio	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	

NF – Gram-Negative Non-Fermenters

	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	TIC 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	TIC 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	TIC 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	TIC 16/2	SXT 0.5/9.5	FOT 4	TOB 1	FEP 2	AZT 2	TET 1	POS

GPN – Gram-Positive

Antimicrobics

Dilution Range

ERY	Erythromycin	0.12 - 4
CLA	Clarithromycin	0.12 - 4
VAN	Vancomycin	0.5 - 16
SYN	Quinupristin / dalbapristin	0.12 - 4
CLI	Clindamycin	0.25 - 2
CHL	Chloramphenicol	2 - 16
TET	Tetracycline	4 - 32
AMP	Ampicillin	0.12 - 8
GEN	Gentamicin	2 - 16, 500
LEVO	Levofloxacin	0.03 - 4
MXF	Moxifloxacin	0.25 - 4
STR	Streptomycin	1,000
PEN	Penicillin	0.03 - 8
RIF	Rifampin	0.5 - 2
GAT	Gatifloxacin	0.06 - 4
CIP	Ciprofloxacin	0.5 - 2
SXT	Trimethoprim / Sulfamethoxazole	0.5/9.5 - 4/76
OXA+	Oxacillin+2%NaCl	0.25 - 2
POS	Positive Control	
NEG	Negative Control	

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

Standard Susceptibility Plate Layouts

HPB – Haemophilus/Streptococcus pneumoniae MIC

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
COT	Trimethoprim/Sulfamethoxazole	0.06/1.19 - 2/38
POS	Positive Control	
CTL	Negative Control	
CTL		

	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 .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 .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 .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

STP3F – Streptococcus pneumoniae MIC

Antimicrobics

AZI	Azithromycin
AUG2	Amoxicillin / clavulanic acid
FOT	Cefotaxime
FEP	Cefepime
AXO	Ceftriaxone
CHL	Chloramphenicol
FUR	Cefuroxime
GAT	Gatifloxacin
ERY	Erythromycin
GEM	Gemifloxacin
LZD	Linezolid
LEVO	Levofloxacin
MERO	Meropenem
PEN	Penicillin
MXF	Moxifloxacin
TET	Tetracycline
SXT	Trimethoprim / sulfamethoxazole
VAN	Vancomycin
POS	Positive Control
NEG	Negative Control

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

Standard Susceptibility Plate Layouts

MH – Gram-Negative MIC

Antimicrobics		Dilution Range
AMI	Amikacin	1 - 32
AUG	Amoxicillin/Clavulanic Acid	0.5/0.25 - 16/8
A/S	Ampicillin/Sulbactam	8/4 - 16/8
AMP	Ampicillin	0.5 - 16
FEP	Cefepime	0.25 - 16
FOT	Cefotaxime	4 - 32
TAZ	Ceftazidime	1 - 16
FUR	Cefuroxime	1 - 16
CEP	Cephalothin	1 - 16
CIP	Ciprofloxacin	0.06 - 2
GEN	Gentamicin	0.25 - 8
IMI	Imipenem	0.25 - 8
MEZ	Mezlocillin	4 - 64
P/T	Piperacillin/Tazobactam	2/4 - 64/4
PIP	Piperacillin	4 - 64
TIC	Ticarcillin/Clavulanic Acid	4/2 - 64/2
TOB	Tobramycin	1 - 8
COT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
POS	Positive Control	
CTL	Negative Control	
CTL		

	1	2	3	4	5	6	7	8	9	10	11	12
A	FEP 16	GEN 8	AMI 32	CIP 2	IMI 8	AUG 16/8	AMP 16	TAZ 16	MEZ 64	TIC 64/2	PIP 64	P/T 64/4
B	FEP 8	GEN 4	AMI 16	CIP 1	IMI 4	AUG 8/4	AMP 8	TAZ 8	MEZ 32	TIC 32/2	PIP 32	P/T 32/4
C	FEP 4	GEN 2	AMI 8	CIP 0.5	IMI 2	AUG 4/2	AMP 4	TAZ 4	MEZ 16	TIC 16/2	PIP 16	P/T 16/2
D	FEP 2	GEN 1	AMI 4	CIP 0.25	IMI 1	AUG 2/1	AMP 2	TAZ 2	MEZ 8	TIC 8/2	PIP 8	P/T 8/4
E	FEP 1	GEN 0.5	AMI 2	CIP 0.12	IMI 0.5	AUG 1/0.5	AMP 1	TAZ 1	MEZ 4	TIC 4/2	PIP 4	P/T 4/4
F	FEP 0.5	GEN 0.25	AMI 1	CIP 0.06	IMI 0.25	AUG 0.5/0.25	AMP 0.5	TOB 1	TOB 2	TOB 4	TOB 8	P/T 2/4
G	FEP 0.25	FUR 1	FUR 2	FUR 4	FUR 8	FUR 16	COT 0.5/9.5	COT 1/19	COT 2/38	A/S 8/4	A/S 16/8	NEG CTRL
H	CEP 1	CEP 2	CEP 4	CEP 8	CEP 16	FOT 4	FOT 8	FOT 16	FOT 32	POS CTRL	POS CTRL	POS CTRL

MI – Gram-Negative MIC

Antimicrobics		Dilution Range
AMP	Ampicillin	0.5 - 16
A/S	Ampicillin/Sulbactam	0.5/0.25 - 16/8
AMI	Amikacin	4 - 32
FAZ	Cefazolin	1 - 16
FEP	Cefepime	0.5 - 16
FOP	Cefoperazone	2 - 32
TAZ	Ceftazidime	1 - 16
FUR	Cefuroxime	1 - 16
CHL	Chloramphenicol	8 - 16
CIP	Ciprofloxacin	0.06 - 2
GEN	Gentamicin	0.25 - 8
IMI	Imipenem	0.25 - 8
P/T	Piperacillin/Tazobactam	2/4 - 64/4
PIP	Piperacillin	4 - 64
TET	Tetracycline	0.5 - 8
TIC	Ticarcillin/Clavulanic Acid	4/2 - 64/2
TIC	Ticarcillin	4 - 64
COT	Trimethoprim/Sulfamethoxazole	0.25/4.75 - 2/38
POS	Positive Control	
CTL	Negative Control	
CTL		

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMP 16	A/S 16/8	CIP 2	IMI 8	FEP 16	GEN 8	FOP 32	TAZ 16	TIC 64	TIC 64/2	PIP 64	P/T 64/4
B	AMP 8	A/S 8/4	CIP 1	IMI 4	FEP 8	GEN 4	FOP 16	TAZ 8	TIC 32	TIC 32/2	PIP 32	P/T 32/4
C	AMP 4	A/S 4/2	CIP 0.5	IMI 2	FEP 4	GEN 2	FOP 8	TAZ 4	TIC 16	TIC 16/2	PIP 16	P/T 16/4
D	AMP 2	A/S 2/1	CIP 0.25	IMI 1	FEP 2	GEN 1	FOP 4	TAZ 2	TIC 8	TIC 8/2	PIP 8	P/T 8/4
E	AMP 1	A/S 1/0.5	CIP 0.12	IMI 0.5	FEP 1	GEN 0.5	FOP 2	TAZ 1	TIC 4	TIC 4/2	PIP 4	P/T 4/4
F	AMP 0.5	A/S 0.5/0.25	CIP 0.06	IMI 0.25	FEP 0.5	GEN 0.25	FAZ 1	FAZ 2	FAZ 4	FAZ 8	FAZ 16	P/T 2/4
G	AMI 4	AMI 8	AMI 16	AMI 32	CHL 8	CHL 16	TET 0.5	TET 1	TET 2	TET 4	TET 8	NEG CTRL
H	COT 0.25/4.75	COT 0.5/9.5	COT 1/19	COT 2/38	FUR 1	FUR 2	FUR 4	FUR 8	FUR 16	POS CTRL	POS CTRL	POS CTRL

Standard Susceptibility Plate Layouts

MJ – Gram-Negative MIC

Antimicrobics		Dilution Range
AMI	Amikacin	4 - 32
AUG	Augmentin	0.5/0.25 - 16/8
A/S	Ampicillin/Sulbactam	8/4 - 16/8
AMP	Ampicillin	0.5 - 16
FAZ	Cefazolin	1 - 16
FOX	Cefoxitin	2 - 16
TAZ	Ceftazidime	1 - 16
AXO	Ceftriaxone	4 - 32
FUR	Cefuroxime	2 - 16
CEP	Cephalothin	8 - 16
CIP	Ciprofloxacin	0.06 - 2
GEN	Gentamicin	0.25 - 8
LOM	Lomefloxacin	0.5 - 4
MEZ	Mezlocillin	4 - 64
NIT	Nitrofurantoin	32 - 64
NOR	Norfloracin	4 - 8
OFL	Ofloxacin	0.25 - 4
PIP	Piperacillin	4 - 64
FIS	Sulfisoxazole	256
TET	Tetracycline	0.25 - 8
TIM	Ticarcillin/Clavulanic Acid	4/2 - 64/2
COT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
POS	Positive Control	
CTL		
NEG	Negative Control	
CTL		

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMP 16	GEN 8	CIP 2	AUG 16/8	TET 8	FAZ 16	OFL 4	TAZ 16	FOX 16	PIP 64	MEZ 64	TIM 64/2
B	AMP 8	GEN 4	CIP 1	AUG 8/4	TET 4	FAZ 8	OFL 2	TAZ 8	FOX 8	PIP 32	MEZ 32	TIM 32/2
C	AMP 4	GEN 2	CIP 0.5	AUG 4/2	TET 2	FAZ 4	OFL 1	TAZ 4	FOX 4	PIP 16	MEZ 16	TIM 16/2
D	AMP 2	GEN 1	CIP 0.25	AUG 2/1	TET 1	FAZ 2	OFL 0.5	TAZ 2	FOX 2	PIP 8	MEZ 8	TIM 8/2
E	AMP 1	GEN 0.5	CIP 0.12	AUG 1/0.5	TET 0.5	FAZ 1	OFL 0.25	TAZ 1	NIT 64	PIP 4	MEZ 4	TIM 4/2
F	AMP 0.5	GEN 0.25	CIP 0.06	AUG 0.5/0.25	TET 0.25	COT 0.5/9.5	COT 1/19	COT 2/38	NIT 32	CEP 16	NOR 8	FIS 256
G	FUR 2	FUR 4	FUR 8	FUR 16	AMI 4	AMI 8	AMI 16	AMI 32	A/S 16/8	CEP 8	NOR 4	NEG CTRL
H	LOM 0.5	LOM 1	LOM 2	LOM 4	AXO 4	AXO 8	AXO 16	AXO 32	A/S 8/4	POS CTRL	POS CTRL	POS CTRL

MG – Gram-Positive MIC

Antimicrobics		Dilution Range
AMP	Ampicillin	0.12 - 8
A/S	Ampicillin/Sulbactam	8/4 - 16/8
FAZ	Cefazolin	2 - 16
CEP	Cephalothin	2 - 16
CHL	Chloramphenicol	4 - 16
CIP	Ciprofloxacin	0.06 - 12
CLA	Clarithromycin	0.12 - 4
CLI	Clindamycin	0.25 - 2
ERY	Erythromycin	0.12 - 4
GEN	Gentamicin	0.25 - 8
LOM	Lomefloxacin	0.5 - 4
NIT	Nitrofurantoin	32 - 64
NOR	Norfloracin	4 - 8
OFL	Ofloxacin	0.5 - 4
OXA+	Oxacillin + 2% NaCl	0.25 - 2
PEN	Penicillin	0.03 - 8
RIF	Rifampin	0.5 - 2
TET	Tetracycline	0.25 - 8
COT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
VAN	Vancomycin	0.5 - 16
POS	Positive Control	
CTL		
NEG	Negative Control	
CTL		

	1	2	3	4	5	6	7	8	9	10	11	12
A	ERY 4	CLA 4	CIP 2	TET 8	VAN 16	GEN 8	FAZ 16	OXA+ 2	OFL 4	LOM 4	NOR 8	CLI 2
B	ERY 2	CLA 2	CIP 1	TET 4	VAN 8	GEN 4	FAZ 8	OXA+ 1	OFL 2	LOM 2	NOR 4	CLI 1
C	ERY 1	CLA 1	CIP 0.5	TET 2	VAN 4	GEN 2	FAZ 4	OXA+ 0.5	OFL 1	LOM 1	CEP 16	CLI 0.5
D	ERY 0.5	CLA 0.5	CIP 0.25	TET 1	VAN 2	GEN 1	FAZ 2	OXA+ 0.25	OFL 0.5	LOM 0.5	CEP 8	CLI 0.25
E	ERY 0.25	CLA 0.25	CIP 0.12	TET 0.5	VAN 1	GEN 0.5	NIT 64	CHL 16	RIF 2	COT 2/38	CEP 4	A/S 16/8
F	ERY 0.12	CLA 0.12	CIP 0.06	TET 0.25	VAN 0.5	GEN 0.25	NIT 32	CHL 8	RIF 1	COT 1/19	CEP 2	A/S 8/4
G	AMP 0.12	AMP 0.25	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	CHL 4	RIF 0.5	COT 0.5/9.5	GEN 500	NEG CTRL
H	PEN 0.03	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8	POS CTRL	POS CTRL	POS CTRL

Standard Susceptibility Plate Layouts

*YO-2 – YeastOne® MIC IVD Panel

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

* For *in vitro* diagnostic use.

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS											
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											
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

*YO-4

Antimicrobics

POS	Positive Control
AB	Amphotericin B
FZ	Fluconazole
IZ	Itraconazole
KZ	Ketoconazole
FC	5-Fluorocytosine
VOR	Voriconazole

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

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS											
B	AB 0.008	AB 0.016	AB 0.03	AB 0.06	AB 0.12	AB 0.25	AB 0.5	AB 1	AB 2	AB 4	AB 8	AB 16
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	KZ 0.008	KZ 0.016	KZ 0.03	KZ 0.06	KZ 0.12	KZ 0.25	KZ 0.5	KZ 1	KZ 2	KZ 4	KZ 8	KZ 16
F	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
G	VOR 0.008	VOR 0.016	VOR 0.03	VOR 0.06	VOR 0.12	VOR 0.25	VOR 0.5	VOR 1	VOR 2	VOR 4	VOR 8	VOR 16
H												

Standard Susceptibility Plate Layouts

*YO-5

Antimicrobics

POS	Positive Control
AB	Amphotericin B
FZ	Fluconazole
IZ	Itraconazole
KZ	Ketoconazole
FC	5-Flucytosine
VOR	Voriconazole
CAS	Caspofungin

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

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS											
B	AB 0.008	AB 0.015	AB 0.03	AB 0.06	AB 0.12	AB 0.25	AB 0.5	AB 1	AB 2	AB 4	AB 8	AB 16
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 0.015	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
E	KZ 0.008	KZ 0.015	KZ 0.03	KZ 0.06	KZ 0.12	KZ 0.25	KZ 0.5	KZ 1	KZ 2	KZ 4	KZ 8	KZ 16
F	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
G	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	VOR 16
H	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	CAS 16

Custom Susceptibility Plates

Through collaboration with all major pharmaceutical companies, Sensititre 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 NCCLS 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 plates - without substrates in wells - 50µl and 100µl
- Custom Breakpoint plates - without substrates in wells - 50µl and 100µl
- Custom Gram-negative MIC plates - substrates in wells - 50µl and 100µl
- Custom Gram-positive MIC plates - substrates in wells - 50µl and 100µl

When using Sensititre AutoReader or ARIS a substrate system is necessary. Sensititre offers the option of selecting plates with substrates in wells or plates without substrates plus E1012 or E1014 Substrate Strips for Automated Reading. Contact your TREK Area Account Manager or Customer Service Representative for minimum order information. Quantity discounts are available.

Delivery 12-14 weeks from receipt of Purchase 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 4-6 weeks from receipt of Purchase 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
T3339-29-10	Demineralized Water-29ml, 10/box



FDA-Cleared Antimicrobics/Dilutions For Clinical Diagnostic Use

ANTIMICROBICS	FDA CLEARED CONCENTRATION RANGES µg/ml:		
	GRAM-NEGATIVE	GRAM-POSITIVE	FASTIDIOUS
Amikacin	0.25 - 64	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
Ampicillin	1 - 128	0.12 - 16	0.12 - 16
Ampicillin/Sulbactam	0.5/0.25 - 64/32	0.12/0.06 - 32/16	1/0.5 - 8/4
Azithromycin	N/A	N/A	0.015 - 32
Azlocillin	2 - 256	N/A	N/A
Aztreonam	1 - 128	N/A	N/A
Carbenicillin	2 - 256	N/A	N/A
Cefaclor	N/A	N/A	4 - 32
Cefamandole	1 - 128	1 - 128	N/A
Cefazolin	1 - 128	1 - 128	N/A
Cefdinir	0.06 - 64	0.06 - 32	N/A
Cefepime	0.008 - 64	0.008 - 64	0.015 - 32
Cefixime	N/A	N/A	0.12 - 1
Cefonicid	1 - 128	N/A	N/A
Cefoperazone	1 - 128	N/A	N/A
Cefotaxime	1 - 128	N/A	0.016 - 4
Cefotetan	0.03 - 64	0.03 - 64	N/A
Cefoxitin	1 - 128	N/A	N/A
Cefpodoxime	0.06 - 32	0.06 - 32	0.015 - 32
Cefotaxime/Clavulanic Acid	0.06/4--64/4	N/A	N/A
Ceftazidime/Clavulanic Acid	0.06/4--128/4	N/A	N/A
Ceftazidime	1 - 128	N/A	N/A
Ceftizoxime	1 - 128	N/A	N/A
Ceftriaxone	1 - 128	1 - 128	0.015 - 2
Cefuroxime	1 - 128	N/A	0.5 - 16
Cephalothin	1 - 128	0.5 - 64	N/A
Chloramphenicol	1 - 64	0.25 - 32	0.25 - 32
Ciprofloxacin	0.5 - 64	0.5 - 64	0.015 - 1
Clarithromycin	0.06 - 128	0.06 - 128	0.002 - 64
Clindamycin	N/A	0.12 - 16	N/A
Daptomycin	N/A	0.03--64	N/A
Erythromycin	N/A	0.12 - 32	0.25 - 16
Gatifloxacin	0.008-16	0.008 - 16	0.002 - 8
Gemifloxacin	N/A	N/A	0.001-16
Gentamicin	0.12 - 64,500	0.12 - 32,500	N/A

ANTIMICROBICS	FDA CLEARED CONCENTRATION RANGES µg/ml:		
	GRAM-NEGATIVE	GRAM-POSITIVE	FASTIDIOUS
Grepafloxacin	0.002 - 4	N/A	N/A
Imipenem	0.25 - 64	0.25 - 64	0.5 - 4
Kanamycin	0.5 - 256	0.5 - 64	N/A
Levofloxacin	0.004 - 8	0.008 - 16	0.002 - 64
Linezolid	N/A	0.25 - 32	0.25 - 32
Lomefloxacin	0.03 - 64	0.03 - 64	0.015 - 32
Meropenem	0.004 - 8	N/A	0.015 - 32
Methicillin + 2% NaCl	N/A	0.12 - 16	N/A
Mezlocillin	2 - 256	N/A	N/A
Moxifloxacin	0.004 - 16	0.008 - 16	0.004 - 8
Nalidixic Acid	1 - 128	N/A	N/A
Netilmicin	1 - 64	N/A	N/A
Nitrofurantoin	2 - 256	2 - 256	N/A
Norfloxacin	1 - 128	1 - 128	N/A
Ofloxacin	0.004 - 32	0.004 - 32	N/A
Oxacillin + 2% NaCl	N/A	0.25 - 32	N/A
Penicillin G	N/A	0.03 - 16	0.015 - 8
Piperacillin	2 - 256	N/A	N/A
Piperacillin/Tazobactam	0.12/4 - 256/4	0.12/4 - 256/4	0.015/4 - 32/4
Rifampin	N/A	0.5 - 8	0.5 - 4
Sparfloxacin	0.002 - 4	0.008 - 8	0.002 - 64
Streptomycin	N/A	1000	N/A
Sulfisoxazole	256	256	N/A
Synercid	N/A	0.03 - 32	N/A
Tetracycline	0.25 - 128	0.12 - 128	0.25 - 32
Ticarcillin	2 - 256	N/A	N/A
Ticarcillin/Clavulanic Acid	2/2 - 128/2	N/A	N/A
Tobramycin	0.12 - 16	N/A	N/A
Trimethoprim/Sulfamethoxazole	0.25/4.75 - 32/608	0.25/4.75 - 4/76	0.06/1.2 - 4/76
Trovafloxacin	0.002 - 4	N/A	N/A
Vancomycin	N/A	0.25 - 128	0.06 - 4

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-inspected and ISO 9001: 2100 EN 13485 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. Sensititre's 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 either 8-well or 12-well strip configurations. 8-well strips are packaged 8 per box; 12-well strips are packaged 8 per box.

Custom Just One Strips are available in minimum orders of 50 boxes (600 8-well strips or 400 12-well strips). Quantity discounts are available. Contact your TREK Area Account Manager or Customer Service Representative for information.

Delivery 12-14 weeks from receipt of Purchase Order.

Standard JustOne

JODAP	JustOne for Daptomycin; 8 strips/box
JOVAN	JustOne for Vancomycin; 12 strips/box
JOC-ABB	JustOne for Amphotericin B; 8 strips/box
JO-EYE	JustOne for Vet Isolates; 8 strips/box



Veterinary-Specific Plates

Sensititre 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
<i>For use with Sensititre AutoReader or Sensititre ARIS systems</i>	

Note: See page 8 for plate layouts.

Standard Veterinary MIC Susceptibility Plates

CMV1ABPF	Bovine/Porcine One Isolate MIC, 10/box
CMV1AGNF	NARMS Gram-Negative w/SIW 2004 Format, 10/box
CMV1AGPF	NARMS Enterococcus Plate w/SIW 2004 Format, 10/box
CMV1AMAF	Mastitis Two Isolate MIC, 10/box
CMV1BAVF	Avian One Isolate MIC, 10/box
CMV1BURF	Urinary Two Isolate MIC, 10/box
CMV2ECOF	Companion/Equine MIC, 10/box

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

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 12-14 weeks from receipt of Purchase 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

CMV1ABPF – Bovine/Porcine One Isolate MIC

Antimicrobics	Dilution Range
XNL Ceftiofur	0.5 - 8
ERY Erythromycin	0.25 - 4
CTET Chlorotetracycline	0.5 - 8
FFN Florfenicol	0.25 - 8
PEN Penicillin	0.12 - 8
COT Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
GEN Gentamicin	1 - 8
OXY Oxytetracycline	0.25 - 8
AMP Ampicillin	0.25 - 16
APR Apramycin	4 - 32
SDM Sulfadimethoxine	32 - 256
NEO Neomycin	4 - 32
SCP Sulphachlorpyridazine	32 - 256
TYLT Tylosin Tartrate	2.5 - 20
STZ Sulfathiazole	32 - 256
SPE Spectinomycin	8 - 64
TIL Tilmicosin	4 - 32
CLI Clindamycin	0.25 - 2
TIA Tiamulin	4 - 32
ENRO Enrofloxacin	0.12 - 2
POS Positive Control	
CTL	

	1	2	3	4	5	6	7	8	9	10	11	12
A	XNL 8	ERY 4	CTET 8	FFN 8	PEN 8	AMP 16	APR 32	NEO 32	TYLT 20	SPE 64	CLI 2	ENRO 2
B	XNL 4	ERY 2	CTET 4	FFN 4	PEN 4	AMP 8	APR 16	NEO 16	TYLT 10	SPE 32	CLI 1	ENRO 1
C	XNL 2	ERY 1	CTET 2	FFN 2	PEN 2	AMP 4	APR 8	NEO 8	TYLT 5	SPE 16	CLI 0.5	ENRO 0.5
D	XNL 1	ERY 0.5	CTET 1	FFN 1	PEN 1	AMP 2	APR 4	NEO 4	TYLT 2.5	SPE 8	CLI 0.25	ENRO 0.25
E	XNL 0.5	ERY 0.25	CTET 0.5	FFN 0.5	PEN 0.5	AMP 1	SDM 256	SCP 256	STZ 256	TIL 32	TIA 32	ENRO 0.12
F	COT 2/38	COT 1/19	COT 0.5/9.5	FFN 0.25	PEN 0.25	AMP 0.5	SDM 128	SCP 128	STZ 128	TIL 16	TIA 16	POS CTRL
G	GEN 8	GEN 4	GEN 2	GEN 1	PEN 0.12	AMP 0.25	SDM 64	SCP 64	STZ 64	TIL 8	TIA 8	POS CTRL
H	OXY 8	OXY 4	OXY 2	OXY 1	OXY 0.5	OXY 0.25	SDM 32	SCP 32	STZ 32	TIL 4	TIA 4	POS CTRL

CMV1AMAF – Mastitis Two Isolate MIC

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

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS CTRL	POS CTRL	POS CTRL	PIRL 4	TET 8	XNL 4	POS CTRL	POS CTRL	POS CTRL	PIRL 4	TET 8	XNL 4
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



Veterinary-Specific Plates Layouts

CMV1AGNF – Gram-Negative

Antimicrobics

AMI	Amikacin
AMP	Ampicillin
AUG	Amoxicillin/Clavulanic Acid
AXO	Ceftriaxone
CHL	Chloramphenicol
CIP	Ciprofloxacin
SXT	Trimethoprim/Sulfamethoxazole
FOX	Cefoxitin
GEN	Gentamicin
KAN	Kanamycin
NAL	Nalidixic Acid
FIS	Sulfisoxazole
STR	Streptomycin
TET	Tetracycline
TIO	Ceftiofur
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	AUG 32/16	CIP 1	GEN 8	NAL 8	TIO 1	FIS 32	KAN 64	AMP 2
B	FOX 16	AMI 16	CHL 8	AXO 32	AUG 16/8	CIP 0.5	GEN 4	NAL 4	TIO 0.5	FIS 16	KAN 32	AMP 1
C	FOX 8	AMI 8	CHL 4	AXO 16	AUG 8/4	CIP 0.25	GEN 2	NAL 2	TIO 0.25	SXT 4/76	KAN 16	STR 64
D	FOX 4	AMI 4	CHL 2	AXO 8	AUG 4/2	CIP 0.12	GEN 1	NAL 1	TIO 0.12	SXT 2/38	KAN 8	STR 32
E	FOX 2	AMI 2	TET 32	AXO 4	AUG 2/1	CIP 0.06	GEN 0.5	NAL 0.5	FIS 512	SXT 1/19	AMP 32	NEG
F	FOX 1	AMI 1	TET 16	AXO 2	AUG 1/0.5	CIP 0.03	GEN 0.25	TIO 8	FIS 256	SXT 0.5/9.5	AMP 16	POS
G	FOX 0.5	AMI 0.5	TET 8	AXO 1	CIP 4	CIP 0.015	NAL 32	TIO 4	FIS 128	SXT 0.25/4.75	AMP 8	POS
H	AMI 64	CHL 32	TET 4	AXO 0.5	CIP 2	GEN 16	NAL 16	TIO 2	FIS 64	SXT 0.12/2.38	AMP 4	POS

CMV1AGPF – Enterococcus

Antimicrobics

BAC	Bacitracin
CHL	Chloramphenicol
ERY	Erythromycin
FLV	Flavomycin
PEN	Penicillin
DAP	Daptomycin
SYN	Quinupristin / dalfopristin
TET	Tetracycline
VAN	Vancomycin
LIN	Lincomycin
TYLT	Tylosin tartrate
CIP	Ciprofloxacin
LZD	Linezolid
NIT	Nitrofurantoin
KAN	Kanamycin
GEN	Gentamicin
STR	Streptomycin
POS	Positive Control
NEG	Negative Control

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



Veterinary-Specific Plate Layouts

CMV1BAVF – Avian One Isolate MIC

Antimicrobics

Dilution Range

ENRO	Enrofloxacin	0.12 - 2
GEN	Gentamicin	0.5 - 8
XNL	Ceftiofur	0.25 - 4
NEO	Neomycin	2 - 32
ERY	Erythromycin	0.12 - 4
OXY	Oxytetracycline	0.25 - 8
TET	Tetracycline	0.25 - 8
AMOX	Amoxicillin	0.25 - 16
SPE	Spectinomycin	8 - 64
SDM	Sulfadimethoxine	32 - 256
COT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
SAR	Sarafloxacin	0.03 - 0.25
STZ	Sulfathiazole	32 - 256
PEN	Penicillin	0.06 - 8
STR	Streptomycin	8 - 1024
NOV	Novobiocin	0.5 - 4
TYLT	Tylosin Tartrate	2.5 - 20
CLI	Clindamycin	0.25 - 4
POS	Positive Control	
CTL		

	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	SAR 0.25	PEN 8	STR 1024	NOV 4	CLI 4
B	GEN 8	GEN 4	GEN 2	GEN 1	GEN 0.5	SPE 32	SDM 128	SAR 0.12	PEN 4	STR 512	NOV 2	CLI 2
C	XNL 4	XNL 2	XNL 1	XNL 0.5	XNL 0.25	SPE 16	SDM 64	SAR 0.06	PEN 2	STR 256	NOV 1	CLI 1
D	NEO 32	NEO 16	NEO 8	NEO 4	NEO 2	SPE 8	SDM 32	SAR 0.03	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	COT 2/38	STZ 256	PEN 0.5	STR 64	TYLT 20	CLI 0.25
F	OXY 8	OXY 4	OXY 2	OXY 1	OXY 0.5	OXY 0.25	COT 1/19	STZ 128	PEN 0.25	STR 32	TYLT 10	POS CTRL
G	TET 8	TET 4	TET 2	TET 1	TET 0.5	TET 0.25	COT 0.5/9.5	STZ 64	PEN 0.12	STR 16	TYLT 5	POS CTRL
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 CTRL

CMV1BURF – Urinary Two Isolate MIC

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	
CTL		

	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

Veterinary-Specific Plate Layouts

CMV2ECOF – Companion/Equine MIC

Antimicrobics

Dilution Range

COT	Trimethoprim/Sulfamethoxazole	0.5/9.5 - 2/38
AMI	Amikacin	4 - 32
RIF	Rifampin	1 - 2
OXA+	Oxacillin +2% NaCl	2 - 4
AUG	Amoxicillin/Clavulanic Acid	4/2 - 32/16
CLI	Clindamycin	0.25 - 2
ORB	Orbifloxacin	0.5 - 2
XNL	Ceftiofur	0.5 - 4
AMP	Ampicillin	0.5 - 16
PEN	Penicillin	0.06 - 8
CEP	Cephalothin	2 - 16
FAZ	Cefazolin	2 - 16
GEN	Gentamicin	1 - 8
CHL	Chloramphenicol	2 - 16
ENRO	Enrofloxacin	0.5 - 4
TIC	Ticarcillin	8 - 64
TET	Tetracycline	1 - 8
SPE	Spectinomycin	8 - 64
SDM	Sulfadimethoxine	32 - 256
FOX	Cefoxitin	2 - 16
IMI	Imipenem	1 - 8
TIM	Ticarcillin/Clavulanic Acid	8/2 - 64/2
ERY	Erythromycin	0.25 - 4
POS	Positive Control	
CTL		

	1	2	3	4	5	6	7	8	9	10	11	12
A	COT 2/38	COT 1/19	COT 0.5/9.5	AMP 16	PEN 8	CEP 16	GEN 8	ENRO 4	TET 8	SDM 256	FOX 16	ERY 4
B	AMI 32	AUG 32/16	XNL 4	AMP 8	PEN 4	CEP 8	GEN 4	ENRO 2	TET 4	SDM 128	FOX 8	ERY 2
C	AMI 16	AUG 16/8	XNL 2	AMP 4	PEN 2	CEP 4	GEN 2	ENRO 1	TET 2	SDM 64	FOX 4	ERY 1
D	AMI 8	AUG 8/4	XNL 1	AMP 2	PEN 1	CEP 2	GEN 1	ENRO 0.5	TET 1	SDM 32	FOX 2	ERY 0.5
E	AMI 4	AUG 4/2	XNL 0.5	AMP 1	PEN 0.5	FAZ 16	CHL 16	TIC 64	SPE 64	TIM 64/2	IMI 8	ERY 0.25
F	RIF 2	RIF 1	AMP 0.25	AMP 0.5	PEN 0.25	FAZ 8	CHL 8	TIC 32	SPE 32	TIM 32/2	IMI 4	POS CTRL
G	OXA+ 4	CLI 2	CLI 0.5	CLI 0.25	PEN 0.12	FAZ 4	CHL 4	TIC 16	SPE 16	TIM 16/2	IMI 2	POS CTRL
H	OXA+ 2	ORB 4	ORB 2	ORB 1	PEN 0.06	FAZ 2	CHL 2	TIC 8	SPE 8	TIM 8/2	IMI 1	POS CTRL

SENSITITRE PLATE LAYOUTS

Antimicrobics Available for Veterinary Diagnostic Use

Amikacin	Chloramphenicol	Novobiocin
Amoxicillin	Chlortetracycline	Ofloxacin
Amoxicillin/ Clavulanic Acid	Cinoxacin	Orbifloxacin
Ampicillin	Ciprofloxacin	Oxacillin with 2% NaCl
Ampicillin/Sulbactam	Clarithromycin	Oxytetracycline
Apramycin	Clindamycin	Penicillin
Avilamycin	Cloxacillin	Piperacillin
Azlocillin	Colistin	Piperacillin/Tazobactam
Azithromycin	Danofloxacin	Pipemidic Acid
Aztreonam	Dicloxacillin	Pirlamycin
Bacitracin	Difloxacin	Polymixin B
Carbadox	Doxycycline	Rifampin
Carbenicillin	Enrofloxacin	Salinomycin
Cefaclor	Erythromycin	Sarafloxacin
Cefadroxy	Flavomycin	Sparfloxacin
Cefazolin	Florfenicol	Spectinomycin
Cefdinir	Fosfomycin	Streptomycin
Cefipime	Gentamicin	Sulfisoxazole
Cefixime	Ibafloxacin	Sulphachlorapyridazine
Cefmetazole	Imipenem	Sulphadimidine
Cefonicid	Kanamycin	Sulphamethoxazole
Cefoperazone	Levofloxacin	Sulphathiazole
Cefotaxime	Lincomycin	Synercid
Cefotetan	Lomefloxacin	Teicoplanin
Cefoxitin	Marbofloxacin	Tetracycline
Cefpodoxime	Meropenem	Tiamulin
Cefprozil	Mezlocillin	Ticarcillin
Ceftazidime	Minocycline	Ticarcillin/Clavulanic Acid
Ceftibutin	Moxalactam	Tilmicosin
Ceftiofur	Nafcillin	Tobramycin
Ceftizoxime	Naldixic Acid	Trimethoprim
Ceftriaxome	Narasin	Trimethoprim/Sulphadiazine
Cefuroxime	Neomycin	Trovafoxacin
Cephalexin	Netilmycin	Tylosin Tartrate
Cephalotin	Nitrofurantoin	Vancomycin
Cephapirin	Nitrofurazone	Virginiamycin
Cephradine	Norfloxacin	

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



Antimicrobics

[illegible][illegible]

MEDIA: _____ QUANTITY ORDERED: _____

A non-cancelable purchase order must be submitted at the time of order. Custom plate orders will be shipped all at once after manufacture to the responsible ordering customer. No partial shipments will be made unless prior arrangements have been made with TREK and this is specified on the purchase order. As the plates are custom produced, the number of plates shipped may vary up to 10% from the quantity ordered. Payment for Custom plates is due in full upon the receipt of the requested manufactured plates. Ex Works Cleveland, Ohio. Prices quoted are firm for 30 days from the date of quotation and do not include federal, state or local tax.



Sensititre Supplies and Accessories

CAT #	PRODUCT DESCRIPTION
CP112-10	Mueller-Hinton Broth w/Lysed Horse Blood 11ml, 10/box, <i>Requires refrigeration</i>
CP112-2x*	Mueller-Hinton Broth w/2x Lysed Horse Blood 10ml, 10/box, <i>Requires refrigeration</i>
CP114-10*	Mueller-Hinton Broth with Lysed Horse Blood for auto read, 11ml, 10/box, <i>Requires refrigeration</i>
CVR-TR01	Tray Cover, 10/box
E1012	18 Hour/Strep pneumo Substrate Strips, 50/vial
E1014	Gram-Positive Substate Strips, 50/vial
E1028	Clear Viewer Chart - Blank, 1 each
E1031	Pipette Tips, 960/box
E1031-96	Pipette Tips, 96/box
E1032	Pipette Troughs, 200/box
E1032-10	Pipette Troughs, 10/box
E1040	0.5 McFarland Barium Sulfate Standard, 1 each
E1041	0.5 McFarland Polymer Standard, 1 each
E2002	Perforated Seals for GNID Panels, 10/pkg
E2003	Perforated Seals for Fastidious Organisms/Anaerobes, 10/pkg
E3010	Doseheads for use with AutoInoculator, 100/box
E4100	Starter Pack for Eight Channel Automatic Pipettor Refills & Autoclavable Rack
E4101	Pipette Tips for Eight Channel Automatic Pipettor, 960 tips/box
E510225	1µl/10µl Loops, 500/box
E510225-20	1µl/10µl Loops, 20/box
G520N	Adhesive Plate Seals for MIC Plates, 10/pkg
GPN-IT/QC	GPN Interpretive/QC Sheet
NF-IT/QC	NF Interpretive/QC Sheet
P0050	Disposable Hand Inoculator, Each
T3339	Demineralized Water 5ml, 100/box
T3339-10	Demineralized Water 5ml, 10/box
T3339-29-10	Demineralized Water 29ml, 10/box
T3450*	Supplemented Brucella Broth for Anaerobes 11ml, 10/box
T3450-05*	Supplemented Brucella Broth for Anaerobes 5ml, 10/box
T3460	Veterinary Fastidious Medium 11ml, 10/box
T3462	Mueller-Hinton Broth 11ml, 100/box
T3462-05	Mueller-Hinton Broth 5ml, 100/box
T3462-10	Mueller-Hinton Broth 11ml, 10/box
T3470	HTM Broth 11ml, 10/box, <i>Requires refrigeration</i>
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
T8000*	Mueller-Hinton Broth w/OADC 5ml, 10/box
T8005*	Mueller-Hinton Broth w/OADC 10ml, 10/box
T8100*	Middlebrook 7H9 w/OADC 5ml, 10/box
T9005-10*	Mueller-Hinton Broth non-adjusted 10ml, 10/box
T9005*	Mueller-Hinton Broth, non-adjusted, 10ml Fill. 100/box
T9010*	Mueller-Hinton Broth, non-adjusted w/LHB, 10ml Fill. 100/box
T9030*	Mueller-Hinton Broth w/TES & TWEEN, 10ml 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 10ml, 10/box
Y3462	YeastOne Broth 11ml, 10/box, <i>Requires refrigeration</i>
Y02-IT	YeastOne YO-2 Interpretive Sheet
Y02-QC	YeastOne YO-2 Quality Control Sheet
Y04-IT	YeastOne YO-4 Interpretive Sheet
Y04-QC	YeastOne YO-4 Quality Control Sheet

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

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 37.

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
V4100	Electronic Pipette, 50 - 1200 µL, Eppendorf Research Pipette <i>(includes battery charger)*</i>
E4100	1250 µL Starter Set (includes re-usable box and 5 x 96 pipette tips)*
E4101	1250 µL Refills (includes 10 x 96 pipette tips for use with re-usable box)*
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, AutoReader, SensiTouch, AutoInoculator, SWIN Computer Software .

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 Custom Frozen Plates</i>

SWIN Computer System

SW4000 SWIN Complete Computer System Includes: 256 MbRam, 2 40 Gb 7200 RPM Hard Drives (Part #6117-30), CDRW Drive, 4+USB 2.0 Ports, 1-2 Parallel Port, Keyboard & Mouse, Internal & External 56K Modem, Barcode Scanner, HP Laser Jet 1200SE Printer (Part #6150-30), Windows XP Professional, 8 Port USB Serial Converter (Part #6168-30), PC Anywhere Version 1.05 (Part #6134-30), Microsoft Access XP (Part #6132-30), 15" LCD Touch Screen Monitor (Part #6140-30), SWIN Software (Part #SW100)



SWIN Computer System continued

SW1000	Printer, Barcode
SW1100	Labels, Barcode, 1000/roll
6100-30	Computer
6117-30	External Hard Drive, USB 2.0
6132-30	Microsoft Access XP Software
6134-30	Symantec PC Anywhere V11.0 Software
6140-30	Monitor, 15" LCD Touch Screen
6150-30	Printer, HP Laserjet 1200SE
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

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 Sensititre'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. 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, ARIS 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	AutoReader Cover
ARA/888060	Adapter



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	220/240 VAC 60Hz	115 VAC 50Hz
Power consumption	60 WATTS	

SensiTouch

Height	13.5 in	34.3 cm
Width	11 in	28.0 cm
Depth	10 in	25.5 cm
Weight	18 lbs	8.2 kg
Power requirements	220/240 VAC 60Hz	110/120 VAC 50Hz
Power consumption	10 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	220/240 VAC 60Hz	115 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	220/240 VAC 60Hz	110/120 VAC 50Hz
Power consumption	230 WATTS (including AutoReader)	



onSite®

onSite® Urine Culture Device



onSite 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 one of the following media:

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-TSA*	MacConkey and Tryptone Soya Blood Agar, a general purpose medium that contains 5% sheep blood and is suitable for determining hemolytic reactions, 100/box sealed in bags of 10 units 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

** Onsite slides must be ordered from manufacturer in quantities of ten*

alamarBlue®

alamarBlue®



alamarBlue 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.

alamarBlue incorporates a fluorometric/colorimetric 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.

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.

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

TREK Catalog Terms

EXCLUSIVE TERMS OF SALE. TREK Diagnostic Systems, Inc. (TREK) offers the Products described in this catalogue for sale to you only on the following terms and conditions:

If you order a Product from this catalogue, whether by purchase order, facsimile, or by telephone, you agree (1) that these terms and conditions apply to sale of the Product and (2) that any references to your purchase order, acknowledgement, or other document is only for administrative purposes and shall not be binding on TREK unless specifically accepted in writing by an authorized representative of TREK.

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You grant TREK a purchase money security interest in all of any Product purchased from this catalogue until all payments for the Product have been received by TREK. You agree to reasonably assist TREK to perfect a security interest or vendor's lien in any Product purchased from this catalogue.

If you breach any of these terms and conditions TREK may accelerate any balance due and require immediate payment thereof.

PAYMENT TERMS. You agree 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 your default TREK shall be entitled to recover as part of its damages all costs, expenses, and attorney fees incurred in connection with such action.

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

SITE PREPARATION AND INSTALLATION. You are solely responsible, at your expense, for (1) preparing the site for installation, (2) storing the Products after delivery but prior to installation, and (3) moving the Products from the delivery point to the installation site.

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, YOU AGREE TO INDEMNIFY, DEFEND, AND HOLD TREK HARMLESS AGAINST ANY LOSS, DAMAGE, OR CLAIM ARISING OUT OF THE CONDITION OF SUCH PREMISES (OR UTILITIES).

GOVERNMENT APPROVAL. You are responsible for obtaining all government approvals required for the purchase, installation and use of any Products purchased from this catalogue.

TELEPHONE ORDERS. You may transmit telephone orders to TREK and TREK may accept telephone orders from you.

You shall properly use security procedures that are reasonably sufficient to ensure that all telephone orders are authorized,

As a condition to placing telephone orders you agree to adopt as your signature a unique identification consisting of a TREK assigned customer number. The use of your identification shall constitute your Signature. When you call TREK with an order, TREK will make an electronic or written record of your telephone orders. You agree that TREK's recodation of your telephone order shall constitute a writing.

GENERAL PROVISIONS FOR ORAL TELEPHONE ORDERS. You agree that any telephone order transmitted pursuant to this Agreement that is recorded by TREK, shall be considered to be "a writing" or "in writing".

You agree not to contest the validity, enforceability or admissibility of TREK's recodation of Customer's telephone orders under the provision of any applicable law or rule of evidence relating to whether certain agreements are to be in writing or signed by the party to be bound thereby.

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 twenty percent (20%) of the original invoiced price. You are 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.

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.

THE WARRANTIES REFERENCED HEREIN ARE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, AND IN LIEU OF ANY OTHER OBLIGATIONS OR LIABILITY ON THE PART OF TREK. TREK NEITHER ASSUMES (NOR HAS AUTHORIZED ANY PERSONS TO ASSUME FOR IT) ANY OTHER WARRANTY OR LIABILITY IN CONNECTION WITH THE PRODUCTS.

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 (IN-

CLUDING 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

FOR SUCH DAMAGES. IF YOU TRANSFER TITLE TO OR LEASE THE PRODUCTS SOLD UNDER THIS CATALOGUE TO ANY THIRD PARTY YOU AGREE TO OBTAIN FROM SUCH THIRD PARTY A PROVISION AFFORDING TREK THE PROTECTION OF THE PRECEDING PARAGRAPH.

UNDER NO CIRCUMSTANCES SHALL TREK'S TOTAL LIABILITY FOR ANY AND ALL LOSS OR DAMAGE ARISING FROM THIS AGREEMENT, OR FROM TREK'S PERFORMANCE, OR BREACH, OR FROM THE PRODUCTS FURNISHED UNDER THIS AGREEMENT, EXCEED THE PRICE OF THE SPECIFIC PRODUCT WHICH GIVES RISE TO THE CLAIM, WHETHER SUCH CLAIM ARISES IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY), OR OTHERWISE. TREK'S LIABILITY HEREUNDER SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIOD.

YOU AGREE TO PROTECT, DEFEND AND INDEMNIFY TREK AGAINST ANY ACTIONS OR CLAIMS, WHETHER IN CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY), OR OTHERWISE, FOR ACTS OR OMISSIONS NOT WITHIN THE CONTROL OF TREK, RESULTING FROM THE USE OF ANY PRODUCT PROVIDED BY TREK FROM THIS CATALOGUE.

GRATUITOUS ADVICE. TREK may, from time-to-time, in response to your inquiry or otherwise, provide gratuitous advice and/or assistance concerning any Product supplied hereunder or any system or equipment in which any such Product may be installed. Such advice shall not be construed as a representation of any fact and should not be relied upon by you. You agree to exercise your own diligence and prudence concerning the Product, the installation or operation and any gratuitous advice provided by TREK.

TREK OFFERS NO WARRANTY AND ASSUMES NO LIABILITY WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR OTHERWISE FOR GRATUITOUS ADVICE OR ASSISTANCE PROVIDED BY TREK. ACCORDINGLY, YOU AGREE NOT TO BRING ANY ACTION OR CLAIM AGAINST TREK FOR GRATUITOUS ADVICE RENDERED BY TREK. MOREOVER, YOU AGREE TO INDEMNIFY, DEFEND, AND HOLD TREK HARMLESS AGAINST ANY LOSS, DAMAGE, OR CLAIM ARISING OUT OF ANY SUCH GRATUITOUS ADVICE.

MISCELLANEOUS. The construction, design, or configuration of the Products is subject to change without notice. Product(s) in this catalogue may contain certain components that have been remanufactured or refurbished following limited prior use. Availability of Product(s) may vary with demand; Product(s) listed in this catalogue 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 this Agreement.

Neither you or TREK shall be liable for any failure to perform its obligations in connection with this Agreement, where such failure results from any acts of God or other cause beyond your or TREK's reasonable control.

Your obligations hereunder are independent of any other obligations that you may have under any other contract or account with TREK. You agree to not exercise any right of setoff in connection with the terms and conditions hereof or any other contract or account with TREK.

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.

FILING 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.