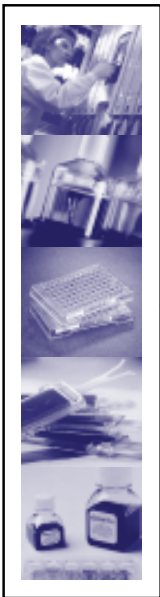


## Sensititre® Microbiology Systems



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

### Antimicrobics

Antimicrobic	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.

### \*AN02B – Anaerobic MIC Plate

	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

Antimicrobic	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.

### \*CAMPY - Campylobacter MIC Plate

	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



Information listed herein is subject to change without notice.

## Standard Susceptibility Plate Layouts

### 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	

### GN3F - Gram-Negative MIC Plate

	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

### 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	

### GNUR2F - Gram-Negative MIC/breakpoint Plate

	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

## 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 .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

## 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
TIC	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	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



Information listed herein is subject to change without notice.

## 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

### <sup>1</sup>YO-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	

<sup>1</sup> 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

### <sup>2</sup>YO-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

<sup>2</sup> 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



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

Information listed herein is subject to change without notice.

## 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 <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	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 <sup>6</sup>	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 <sup>3</sup>	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 <sup>3</sup>	0.002-64
Clindamycin	N/A	0.12-16	0.016-8 <sup>3</sup>	N/A
Daptomycin	N/A	0.03-64	0.03-32 <sup>4</sup>	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 <sup>3</sup>	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 <sup>7</sup>	0.002-16 <sup>7</sup>	0.001-16	0.001-16



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

Information listed herein is subject to change without notice.

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
Nalidixic 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 <sup>3</sup>	0.002-64
Streptomycin	N/A	1000, 2000 <sup>5</sup>	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 <sup>3</sup>	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 <sup>4</sup>	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

<sup>3</sup> *Streptococcus pneumoniae* only

<sup>4</sup> *Streptococcus* spp. only

<sup>5</sup> *Enterococcus* testing only

<sup>6</sup> *Staphylococcus aureus* testing only

<sup>7</sup> Can 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.

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

Information listed herein is subject to change without notice.

## 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 1.5-8x10<sup>3</sup> 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 <sup>6</sup>	0.008 – 15



<sup>6</sup> Restriction 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
-------	---------------------

### 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
CMVIAGNF	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
--------	-----------------------------------

### 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



Information listed herein is subject to change without notice.

### 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	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

#### 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



Information listed herein is subject to change without notice.

## Veterinary-Specific Plate Layouts

### 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	

### CMV3AGPF – Gram-Positive MIC Plate

	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

### 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	

### CMV1AMAF – Mastitis Two Isolate Plate MIC Plate

	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

### Veterinary-Specific Plate Layouts

**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	

**CMV1BURF – Urinary Two Isolate MIC Plate**

	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

**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	Cefpodoxime	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	

**COMEQ3F – Companion/Equine One Isolate Plate MIC Plate**

	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



Information listed herein is subject to change without notice.

**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.



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

Information listed herein is subject to change without notice.

## 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 Doseheads 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>
-------	--------------------------	--

### 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>
-------	-----------------------	------------------------

### 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
------------	---------------



## 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)	

