thermo scientific

Thermo Scientific Sensititre Plate Guide

for Antimicrobial Susceptibility Testing

ThermoFisher SCIENTIFIC

Table of Contents

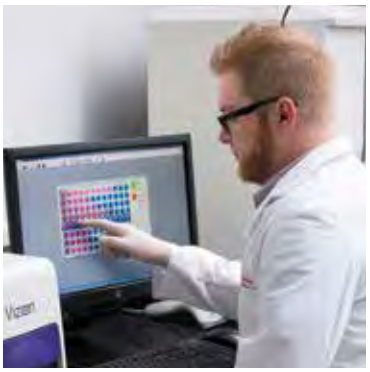
INTRODUCTION

In 1928, the discovery of penicillin revolutionized medicine. Ever since, the use of antibiotics to treat and prevent bacterial infections has saved innumerable lives, enabled advancements in medical procedures like surgery and chemotherapy, and helped slow the spread of deadly infections.

However, after nearly 100 years of widespread antibiotic use, the threat posed by evolving bacteria possessing resistance to common antibiotics has emerged as one of the most significant global health issues of the 21st century. Antimicrobial resistance is present in every country, increases healthcare costs, and is accelerating due to the misuse and overuse of antibiotics in both people and animals.

> "Antimicrobial resistance is a global health emergency that will seriously jeopardize progress in modern medicine."[1]
>
> – Dr. Tedros Adhanom Ghebreyesus
> Director-General, WHO

The ability to treat infections quickly and accurately with the information obtained from antimicrobial susceptibility testing (AST) is of the utmost importance for combating resistance. Access to an AST device with the most up-to-date antimicrobials is vital to expanding patient treatment options and improving patient outcomes.



[1]World Health Organization. (2017, September 20). The world is running out of antibiotics, WHO report confirms [Press Release]. Retrieved from: http://www.who.int/mediacentre/news/releases/2017/running-out-antibiotics/en/

THE THERMO SCIENTIFIC SENSITITRE SYSTEM

To effectively combat antimicrobial resistance, you need the right antimicrobials at the right dose. To improve patient care outcomes, you need faster, more reliable AST devices. Whether you prefer manual or automated solutions, you'll find the right fit for your specific susceptibility testing needs and volume requirements with the Thermo Scientific Sensititre ID/AST System. Customizable testing options are also available, and all solutions are designed to maximize accuracy and reproducibility.

The Sensititre System utilizes both *in vitro* diagnostic (IVD) and research use only (RUO), 96-well microtitre plates. With over 240 antimicrobials available in extended dilution ranges on a wide variety of formats, the Sensititre System allows you to consolidate confirmatory tests while meeting FDA, CLSI and EUCAST breakpoint requirements.

Consolidate your susceptibility testing on a single platform

The Sensititre System is a scalable and flexible solution, accommodating microbiology laboratories of all sizes:

Inoculum

Thermo Scientific™ Sensititre™ Nephelometer–a simple solution to standardize inoculum density.

Inoculate

Thermo Scientific™ Sensititre™ 8-Channel Programmable Pipette–quick and accurate manual inoculation of microtitre plates, with enhanced ergonomics.

Thermo Scientific™ Sensititre AIM™ Automated Inoculation Delivery System–quickly and accurately doses Sensititre 96-well plates, eliminating both skipped wells and costly repeat tests.

Incubation

Thermo Scientific™ Sensititre™ ARIS™ 2X Instrument†–includes a heated carousel to individually incubate 64 MIC, breakpoint or identification plates, ensuring optimal growth conditions and eliminating repeat tests.

Read

Thermo Scientific™ Sensititre™ Manual Viewer–perform simple visual reads of your 96-well microtitre plates with our mirrored viewbox.

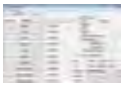
Thermo Scientific™ Sensititre™ Vizion™ Digital MIC Viewing System–combines automation with visual results, to consolidate all offline testing on a single instrument, with the benefits of Expert System software and LIS connectivity.

Thermo Scientific™ Sensititre™ OptiRead™ Automated Fluorometric Plate Reading System–utilizes fluorescence technology to provide fast, accurate plate reads, and eliminate manual reading.

Thermo Scientific™ Sensititre™ ARIS™ 2X Instrument†–a fully automated, benchtop incubating and reading system that facilitates efficient workflow, with the benefits of Expert System software and LIS connectivity.

Interpret

Thermo Scientific™ Sensititre™ SWIN™ Software System, Complete–combines results from manual, semi-automated and fully automated read options on a single software platform, to easily consolidate your entire test program and enhance data entry.



Thermo Scientific™ Sensititre™ SWIN™ Software Epidemiology Module–allows users to generate complete, real-time reports and bar graphs in just minutes, including multiple search options to create comprehensive reports specific to your patient population to fully support antimicrobial stewardship programs.

†Not available in Europe.

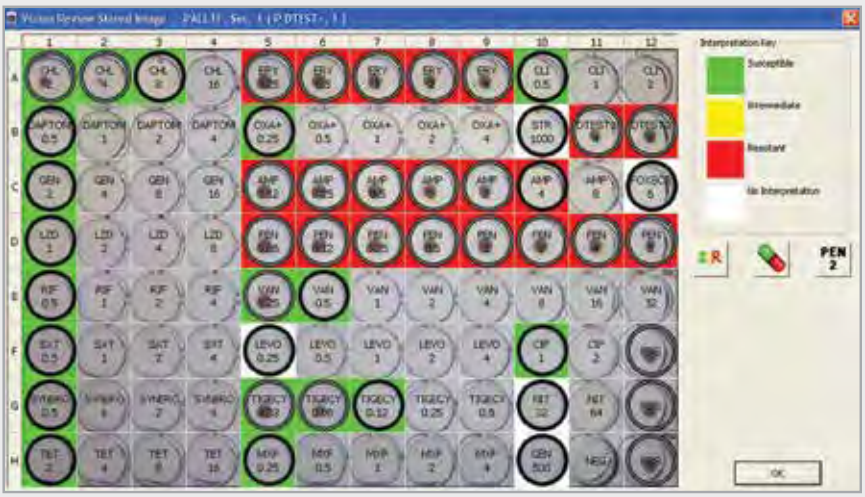
THE VALUE OF A TRUE MIC FOR AST

Current AST methods are based on assessing the ability of an antimicrobial to inhibit bacterial growth. The minimum inhibitory concentration (MIC) is the level of antimicrobic required to achieve inhibition against the tested pathogen. However, some AST systems calculate the MIC value by extrapolating growth curves and applying dedicated algorithms.

The Sensititre System generates true MIC results based on actual growth of the organism. A true MIC reveals the difference between whether a bacterial isolate is susceptible, how susceptible the organism is against a particular drug, and the exact point at which the isolate becomes resistant. When comparing your MIC results against the latest clinical breakpoints from EUCAST and CLSI, you can trust the value of a true MIC to deliver the accuracy required for optimal patient outcomes, and to track emerging resistance.

"To be able to get an accurate measurement of MIC for very specific drugs like vancomycin, for me, is wonderfully valuable."

– Dr. James McKinnell, Assistant Professor of Medicine,
David Geffen School of Medicine, University of California, Los Angeles



The Vizion Digital MIC Viewing System produces easy-to-read digital plate images, allowing users to easily read and record MIC results while eliminating the potential for manual reading errors.

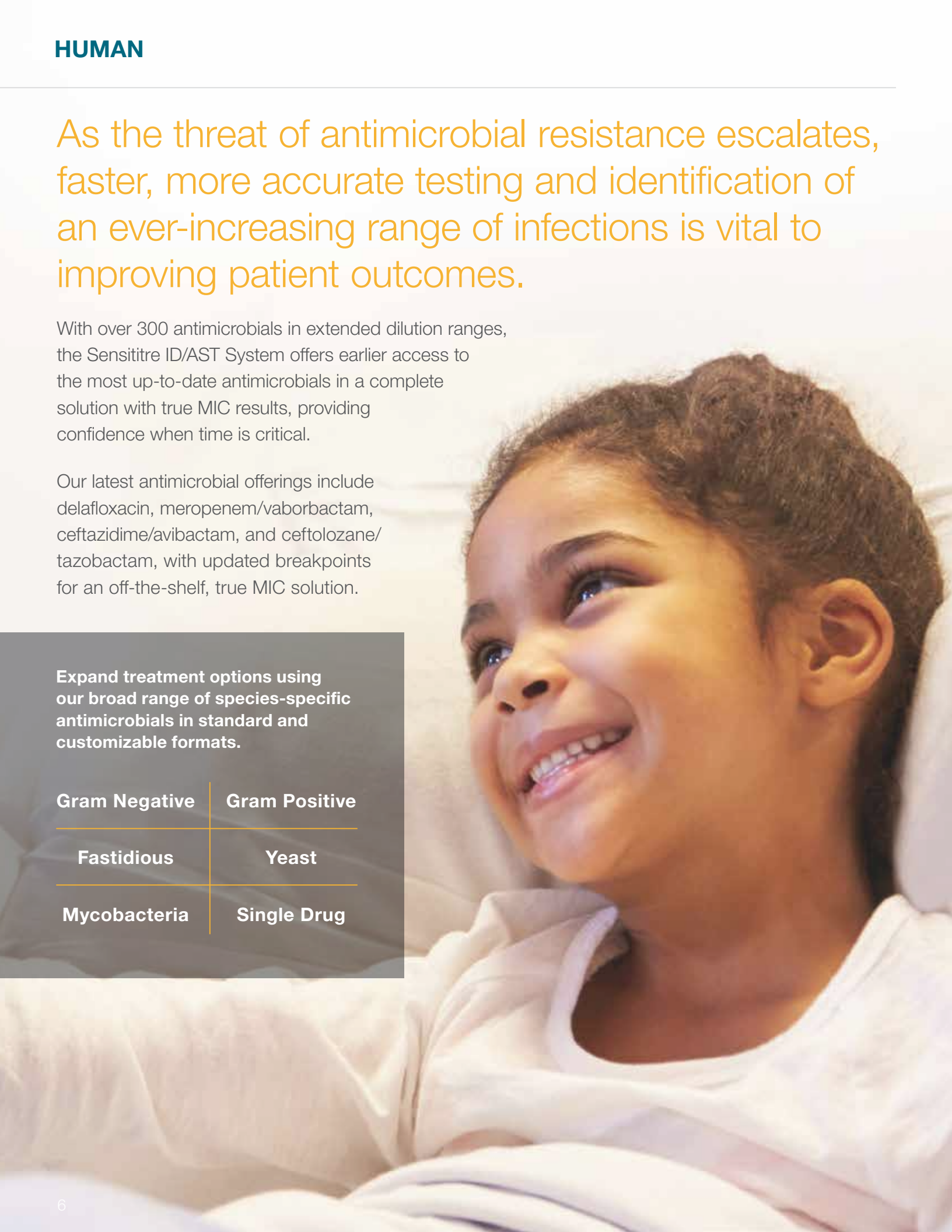
As the threat of antimicrobial resistance escalates, faster, more accurate testing and identification of an ever-increasing range of infections is vital to improving patient outcomes.

With over 300 antimicrobials in extended dilution ranges, the Sensititre ID/AST System offers earlier access to the most up-to-date antimicrobials in a complete solution with true MIC results, providing confidence when time is critical.

Our latest antimicrobial offerings include delafloxacin, meropenem/vaborbactam, ceftazidime/avibactam, and ceftolozane/tazobactam, with updated breakpoints for an off-the-shelf, true MIC solution.

Expand treatment options using our broad range of species-specific antimicrobials in standard and customizable formats.

Gram Negative	**Gram Positive**
Fastidious	**Yeast**
Mycobacteria	**Single Drug**



Sensititre Gram Negative GN4F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA, CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 8	TGC 1	LEVO 1	DOR 0.5	ETP 0.25	IMI 0.5	MERO 0.5	FAZ 1	TAZ 1	AZT 1	FEP 4	AXO 0.5
B	AMI 16	TGC 2	LEVO 2	DOR 1	ETP 0.5	IMI 1	MERO 1	FAZ 2	TAZ 2	AZT 2	FEP 8	AXO 1
C	AMI 32	TGC 4	LEVO 4	DOR 2	ETP 1	IMI 2	MERO 2	FAZ 4	TAZ 4	AZT 4	FEP 16	AXO 2
D	P/T4 8/4	TGC 8	LEVO 8	DOR 4	ETP 2	IMI 4	MERO 4	FAZ 8	TAZ 8	AZT 8	FEP 32	AXO 4
E	P/T4 16/4	TIM2 8/2	NIT 32	MIN 1	ETP 4	IMI 8	MERO 8	FAZ 16	TAZ 16	AZT 16	CIP 0.5	AXO 8
F	P/T4 32/4	TIM2 16/2	NIT 64	MIN 2	ETP 8	PIP 16	GEN 2	TOB 2	A/S2 4/2	AMP 8	CIP 1	AXO 16
G	P/T4 64/4	TIM2 32/2	TET 4	MIN 4	SXT 2/38	PIP 32	GEN 4	TOB 4	A/S2 8/4	AMP 16	CIP 2	AXO 32
H	P/T4 128/4	TIM2 64/2	TET 8	MIN 8	SXT 4/76	PIP 64	GEN 8	TOB 8	A/S2 16/8	POS	POS	POS

Antimicrobics

AMI	Amikacin
P/T4	Piperacillin / Tazobactam constant 4
TGC	Tigecyline
TIM2	Ticarcillin / Clavulanic acid constant 2
LEVO	Levofloxacin
NIT	Nitrofurantoin
TET	Tetracycline
DOR	Doripenem
MIN	Minocycline
ETP	Ertapenem
SXT	Trimethoprim / Sulfamethoxazole
IMI	Impenem
PIP	Piperacillin
MERO	Meropenem
GEN	Gentamicin
FAZ	Ceftazidime
TOB	Tobramycin
TAZ	Ceftazidime
A/S2	Ampicillin / Sulbactam 2:1 ratio
AZT	Aztreonam
AMP	Amicillin
FEP	Cefepime
CIP	Ciprofloxacin
AXO	Ceftriaxone
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Gram Negative GN6F Plate
with Ceftazidime/Avibactam and Ceftolozane/Tazobactam

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA, CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 8	TGC 1	LEVO 1	DOR 0.5	ETP 0.25	IMI 1	MERO 0.5	FAZ 1	TAZ 1	AZT 1	FEP 2	AXO 0.5
B	AMI 16	TGC 2	LEVO 2	DOR 1	ETP 0.5	IMI 2	MERO 1	FAZ 2	TAZ 2	AZT 2	FEP 4	AXO 1
C	AMI 32	TGC 4	LEVO 4	DOR 2	ETP 1	IMI 4	MERO 2	FAZ 4	TAZ 4	AZT 4	FEP 8	AXO 2
D	P/T4 8/4	TGC 8	LEVO 8	DOR 4	ETP 2	IMI 8	MERO 4	FAZ 8	TAZ 8	AZT 8	FEP 16	AXO 4
E	P/T4 16/4	C/T 2/4	NIT 32	MIN 1	ETP 4	CZA 2/4	MERO 8	FAZ 16	TAZ 16	AZT 16	CIP 0.5	AXO 8
F	P/T4 32/4	C/T 4/4	NIT 64	MIN 2	ETP 8	CZA 4/4	GEN 2	TOB 2	A/S2 4/2	AMP 8	CIP 1	AXO 16
G	P/T4 64/4	C/T 8/4	TET 4	MIN 4	SXT 2/38	CZA 8/4	GEN 4	TOB 4	A/S2 8/4	AMP 16	CIP 2	AXO 32
H	P/T4 128/4	C/T 16/4	TET 8	MIN 8	SXT 4/76	CZA 16/4	GEN 8	TOB 8	A/S2 16/8	POS	POS	POS

Antimicrobics

AMI	Amikacin
AMP	Ampicillin
A/S2	Ampicillin / Sulbactam 2:1 ratio
AZT	Aztreonam
FAZ	Cefazolin
FEP	Cefepime
TAZ	Ceftazidime
CZA	Ceftazidime / Avibactam
C/T	Ceftolozane / Tazobactam 4
AXO	Ceftriaxone
CIP	Ciprofloxacin
DOR	Doripenem
ETP	Ertapenem
GEN	Gentamicin
IMI	Imipenem
LEVO	Levofloxacin
MERO	Meropenem
MIN	Minocycline
NIT	Nitrofurantoin
P/T4	Piperacillin / Tazobactam constant 4
TET	Tetracycline
TGC	Tigecycline
TOB	Tobramycin
SXT	Trimethoprim / Sulfamethoxazole
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Gram Negative GNX2F Plate
with Colistin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**RUO** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	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 0.5	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	TIM2 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	TIM2 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	TIM2 64/2	P/T4 32/4	GEN 4	TOB 4	DOX 8	MIN 8	ETP 0.25	ETP 0.5	ETP 1	ETP 2	ETP 4	POS
H	TIM2 128/2	P/T4 64/4	GEN 8	TOB 8	DOX 16	MIN 16	IMI 1	IMI 2	IMI 4	IMI 8	POS	POS

Antimicrobics

AMI	Amikacin
TIM2	Ticarcillin / Clavulanic acid constant 2
AZT	Aztreonam
P/T4	Piperacillin / Tazobactam constant 4
SXT	Trimethoprim / Sulfamethoxazole
GEN	Gentamicin
FEP	Cefepime
TOB	Tobramycin
LEVO	Levofloxacin
DOX	Doxycycline
CIP	Ciprofloxacin
MIN	Minocycline
MERO	Meropenem
FOT	Cefotaxime
TGC	Tigecycline
ETP	Ertapenem
IMI	Imipenem
DOR	Doripenem
COL	Colistin
POL	Polymixin B
TAZ	Ceftazidime
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Meet the latest antimicrobials on our new single-drug plate

Introducing the Sensititre Delafloxacin DELAXN Plate—a new single-drug, multi-isolate MIC plate for both Gram negative and Gram positive organisms

Combating emergent multi-drug resistance and expanding patient treatment options requires faster access to an AST device with the most up-to-date antimicrobials. Discover the latest broad spectrum antimicrobial addition to our AST portfolio with the Sensititre Delafloxacin DELAXN plate.

Indicated for the treatment of acute bacterial skin and skin structure infections (ABSSSI), the Sensititre Delafloxacin Plate provides true MIC results that meet both FDA and CLSI requirements in an off-the-shelf, standard format, as well as:

- One of the latest FDA-cleared antimicrobials
- Full dilution ranges for both Gram negative and Gram positive organisms
- Surveillance data in early stages of drug adoption to combat emerging resistance

Not all products are available for sale in all territories. Please inquire.

Sensititre Delafloxacin DELAXN Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

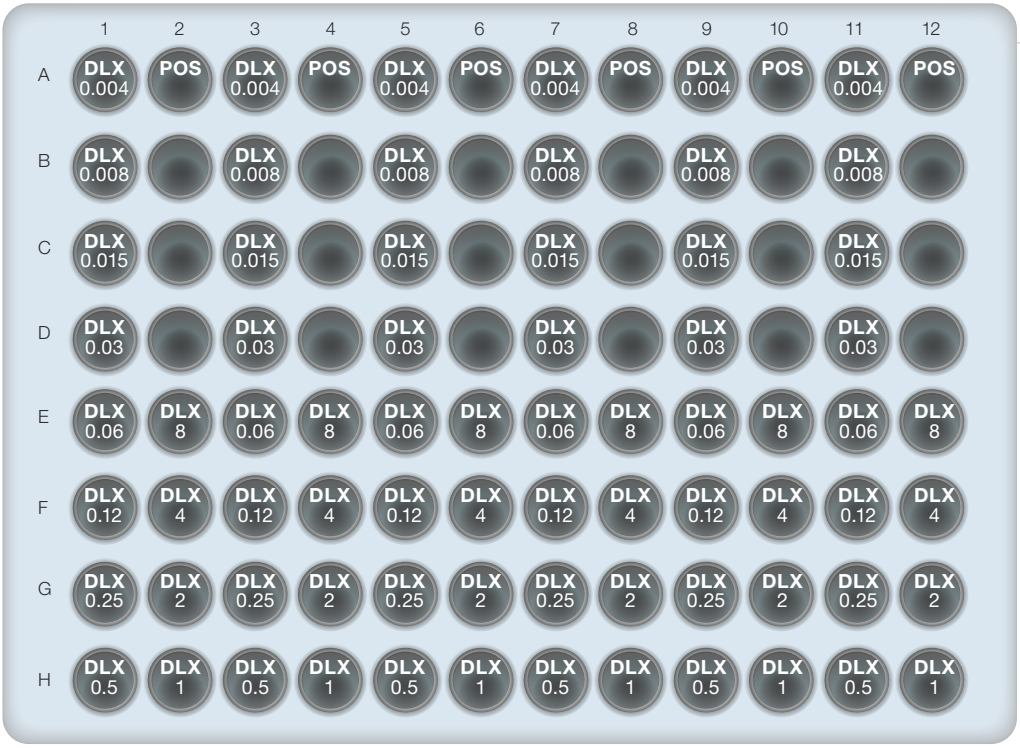
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

DLX	Delafloxacin
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Meet the latest antimicrobials on our new dual-drug plate

Introducing the Sensititre Meropenem/Vaborbactam MEROVAB Plate—a new dual-drug, multi-isolate MIC plate for Gram negative organisms

Mitigating carbepenem resistance and expanding patient treatment options requires faster access to an AST device with the most up-to-date antimicrobials. Discover our latest standard format addition for Gram negative organisms with the Sensititre Meropenem/Vaborbactam MEROVAB plate.

A dual component drug granted fast-track approval by the FDA, meropenem/vaborbactam is indicated for the treatment of serious Gram negative infections, such as complicated urinary tract infections. The Sensititre Meropenem/Vaborbactam Plate provides true MIC results that meet both FDA and CLSI requirements in an off-the-shelf, standard format, as well as:

- Expanded treatment options with the latest antimicrobial combination
- Standardized, direct comparison of meropenem and meropenem/vaborbactam for better susceptibility results, and to help physicians understand the clinical benefit of vaborbactam as a treatment option
- Supports antimicrobial stewardship efforts by providing surveillance data even in early stages of drug adoption

Not all products are available for sale in all territories. Please inquire.

Sensititre Meropenem/Vaborbactam MEROVAB Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

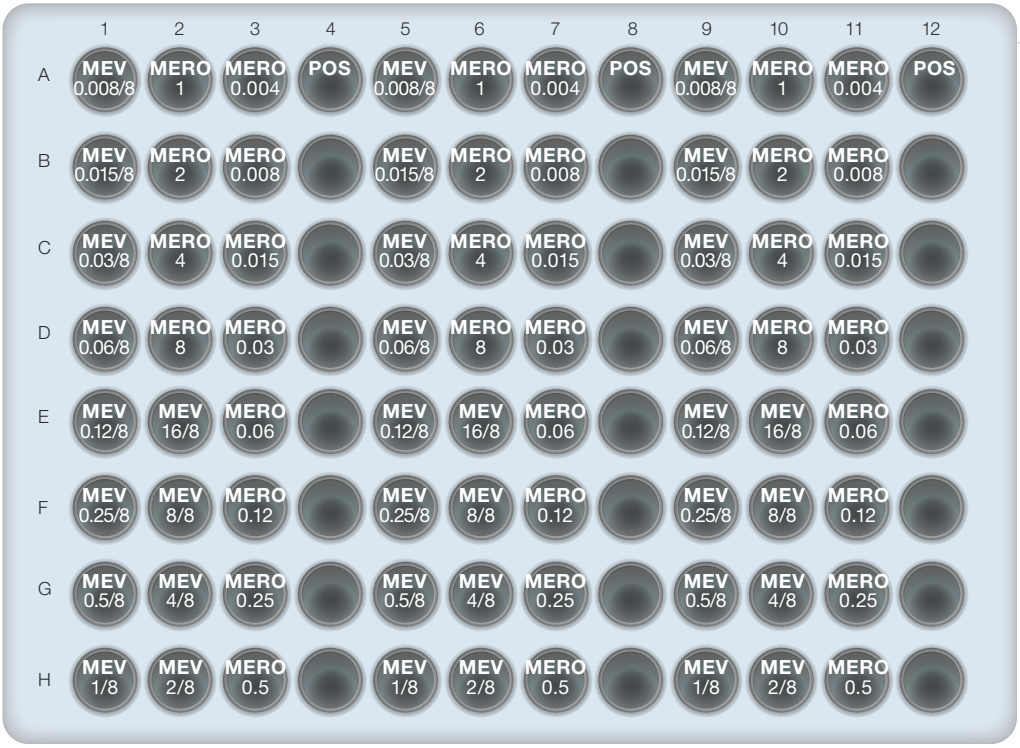
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

MERO	Meropenem
MEV	Meropenem / Vaborbactam
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Gram Negative GNX3F Plate
with Colistin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**RUO** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 4	GEN 1	TOB 1	CIP 0.06	SXT 0.5/9.5	AZT 2	FEP 2	COL 0.25	COL 0.5	COL 1	COL 2	COL 4
B	AMI 8	GEN 2	TOB 2	CIP 0.12	SXT 1/19	AZT 4	FEP 4	POL 0.25	POL 0.5	POL 1	POL 2	POL 4
C	AMI 16	GEN 4	TOB 4	CIP 0.25	SXT 2/38	AZT 8	FEP 8	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16
D	AMI 32	GEN 8	TOB 8	CIP 0.5	SXT 4/76	AZT 16	FEP 16	FOT 2	FOT 4	FOT 8	FOT 16	FOT 32
E	DOX 2	MIN 2	TGC 0.25	CIP 1	LEVO 1	IMI 1	MERO 1	A/S2 4/2	A/S2 8/4	A/S2 16/8	A/S2 32/16	A/S2 64/32
F	DOX 4	MIN 2	TGC 0.5	CIP 2	LEVO 2	IMI 2	MERO 2	DOR 0.5	DOR 1	DOR 2	DOR 4	POS
G	DOX 8	MIN 8	TGC 1	TGC 4	LEVO 4	IMI 4	MERO 4	P/T4 8/4	P/T4 16/4	P/T4 32/4	P/T4 64/4	POS
H	DOX 16	MIN 16	TGC 2	TGC 8	LEVO 8	IMI 8	MERO 8	TIM2 16/2	TIM2 32/2	TIM2 64/2	TIM2 128/2	POS

Antimicrobics

AMI	Amikacin
DOX	Doxycycline
GEN	Gentamicin
MIN	Minocycline
TOB	Tobramycin
TGC	Tigecycline
CIP	Ciprofloxacin
SXT	Trimethoprim / Sulfamethoxazole
LEVO	Levofloxacin
AZT	Aztreonam
IMI	Imipenem
FEP	Cefepime
MERO	Meropenem
COL	Colistin
POL	Polymixin B
TAZ	Ceftazidime
FOT	Cefotaxime
A/S2	Ampicillin / Sulbactam 2:1 ratio
DOR	Doripenem
P/T4	Piperacillin / Tazobactam constant 4
TIM2	Ticarcillin / Clavulanic acid constant 2
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Gram Negative DKMGN Plate
with Colistin, Ceftazidime/Avibactam and Ceftolozane/Tazobactam

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

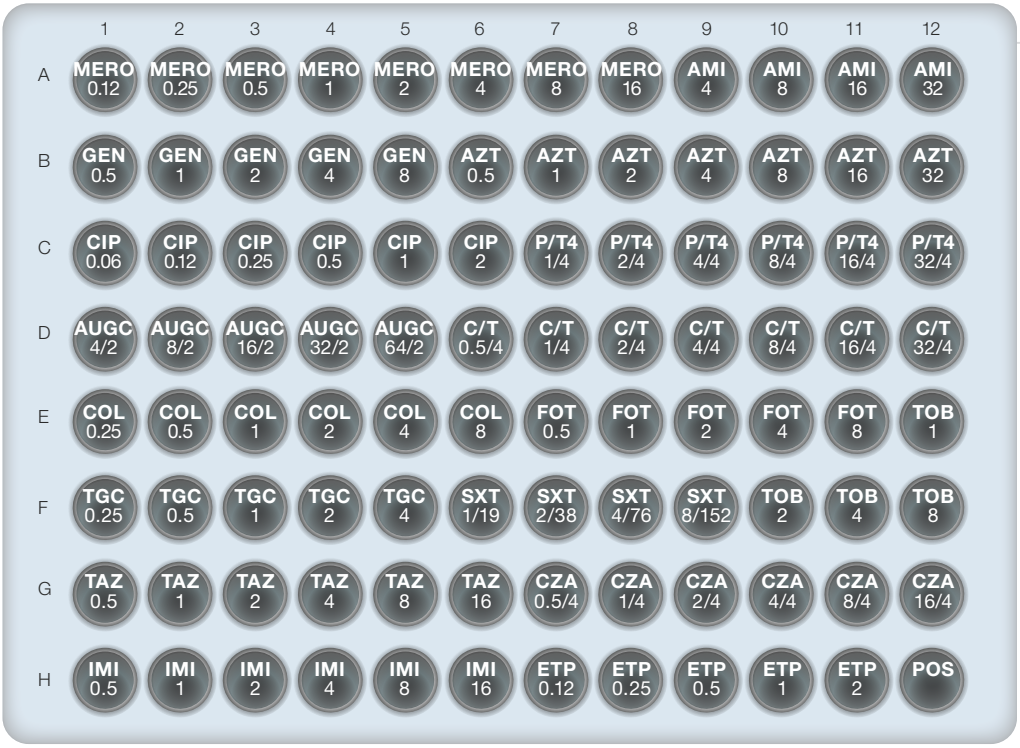
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** CE, EUCAST [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

MERO	Meropenem
GEN	Gentamicin
CIP	Ciprofloxacin
AUGC	Amoxicillin / Clavulanic acid constant 2
COL	Colistin
TGC	Tigecycline
TAZ	Ceftazidime
IMI	Imipenem
AZT	Aztreonam
C/T	Ceftolozane / Tazobactam 4
SXT	Trimethoprim / Sulfamethoxazole
P/T4	Piperacillin / Tazobactam constant 4
FOT	Cefotaxime
CZA	Ceftazidime / Avibactam
ETP	Ertapenem
AMI	Amikacin
TOB	Tobramycin
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Gram Negative EURGNCOL Plate
with Colistin, Ceftazidime/Avibactam and Ceftolozane/Tazobactam

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates

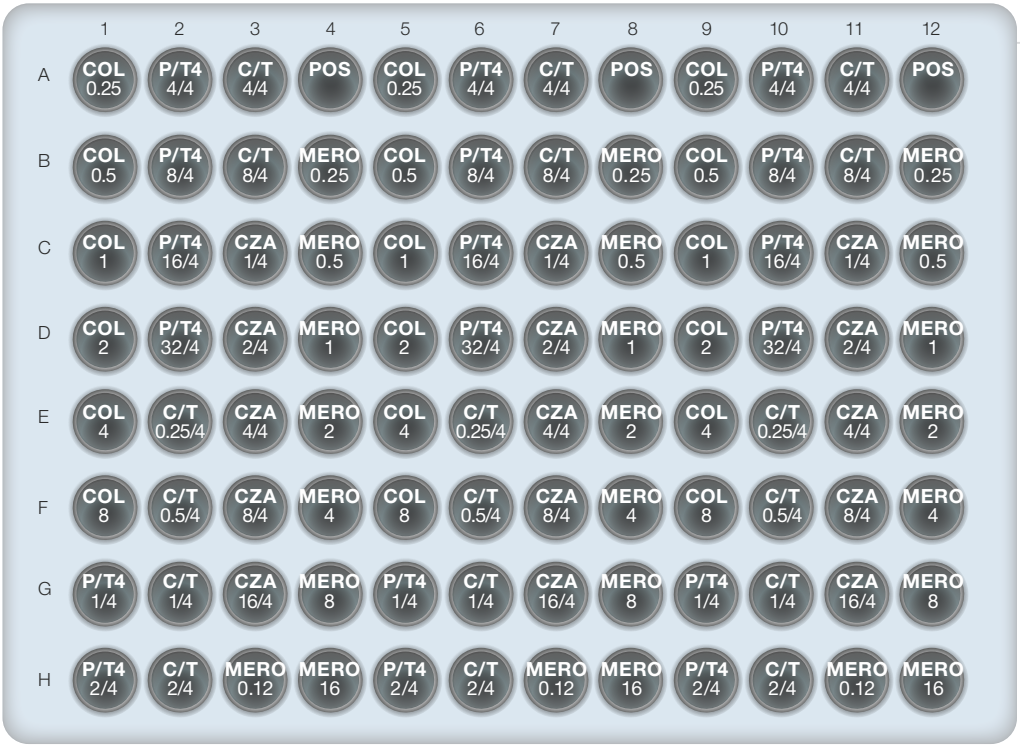
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** CE, EUCAST [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl**, or 30 µl*** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

COL	Colistin
P/T4	Piperacillin / Tazobactam constant 4
C/T	Ceftolozane / Tazobactam 4
CZA	Ceftazidime / Avibactam
MERO	Meropenem
POS	Positive control

*For *Proteus* spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae. †Not available in Europe.

Sensititre Streptococcus FDANDSF Plate
with Oritavancin, Dalbavancin, and Tedizolid

Intended Use

Antimicrobial susceptibility plate for testing *Streptococcus* species

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Mueller Hinton Broth 5 ml** (T346205)	**Sensititre Mueller Hinton Broth w/Lysed Horse Blood - manual read** (CP112-10) or **Sensititre Mueller Hinton Broth w/Lysed Horse Blood - autoread** (CP11410)	**IVD** FDA [US]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 100 µl of suspension into MHB w/ LHB Tube

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 20-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	ORI 0.0005	ORI 0.001	ORI 0.002	ORI 0.004	ORI 0.008	ORI 0.015	ORI 0.03	ORI 0.06	ORI 0.12	ORI 0.25	ORI 0.5	ORI 1
B	TZD 0.002	TZD 0.004	TZD 0.008	TZD 0.015	TZD 0.03	TZD 0.06	TZD 0.12	TZD 0.25	TZD 0.5	TZD 1	TZD 2	TZD 4
C	CPT 0.004	CPT 0.008	CPT 0.015	CPT 0.03	CPT 0.06	CPT 0.12	CPT 0.25	CPT 0.5	CPT 1	CPT 2	CPT 4	CPT 8
D	DAL 0.001	DAL 0.002	DAL 0.004	DAL 0.008	DAL 0.015	DAL 0.03	DAL 0.06	DAL 0.12	DAL 0.25	DAL 0.5	DAL 1	DAL 2
E	TLA 0.001	TLA 0.002	TLA 0.004	TLA 0.008	TLA 0.015	TLA 0.03	TLA 0.06	TLA 0.12	TLA 0.25	TLA 0.5	TLA 1	TLA 2
F	LZD 0.25	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16	LZD 32				
G	VAN 0.06	VAN 0.12	VAN 0.25	VAN 0.5	VAN 1	VAN 2	VAN 4					DTS
H	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	POS	POS	POS

Antimicrobics

CLI	Clindamycin
CPT	Ceftaroline
DAL	Dalbavancin
DTS	D Test
ERY	Erythromycin
LZD	Linezoid
ORI	Oritavancin
TLA	Telavancin
TZD	Tedizolid
VAN	Vancomycin
POS	Positive control

†Not available in Europe.

Sensititre Streptococcus species STP6F Plate

Intended Use

Antimicrobial susceptibility plate for testing *Streptococcus* species

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Mueller Hinton Broth 5 ml** (T346205)	**Sensititre Mueller Hinton Broth w/Lysed Horse Blood - manual read** (CP112-10) or **Sensititre Mueller Hinton Broth w/Lysed Horse Blood - autoread** (CP11410)	**IVD** FDA, CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 100 µl of suspension into MHB w/ LHB Tube

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 20-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	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 0.05	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	ERY 4	ETP 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

Antimicrobics

MXF	Moxifloxacin
LEVO	Levofloxacin
TET	Tetracycline
FUR	Cefuroxime
AXO	Ceftriaxone
FOT	Cefotaxime
DAP	Daptomycin
CHL	Chloramphenicol
PEN	Penicillin
MERO	Meropenem
ETP	Ertapenem
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
LAZD	Linezolid
CLI	Clindamycin
FEP	Cefepime
TGC	Tigecycline
AZI	Azithromycin
ERY	Erythromycin
SXT	Trimethoprim / Sulfamethoxazole
VAN	Vancomycin
POS	Positive control

†Not available in Europe.

Sensititre Haemophilus and Streptococcus pneumoniae HPB1 Plate

Intended Use

Antimicrobial susceptibility plate for testing *Streptococcus pneumoniae* and *Haemophilus influenzae* isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Mueller Hinton Broth 5 ml** (T346205)	**Sensititre HTM** (T3470)* or **Sensititre Mueller Hinton Broth w/Lysed Horse Blood - manual read** (CP112-10)**	**IVD** FDA, CLSI [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 50 µl* or 100 µl** of suspension into HTM* or MHB w/ LHB Tube**

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 20-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	LEVO 4	CLA 16	PEN 1	AXO 2	AMP 4	SPX 1	SXT 2/38	MERO 2	FUR 8	TET 4	CHL 4	AUG2 16/8
B	LEVO 2	CLA 8	PEN 0.5	AXO 1	AMP 2	SPX 0.5	SXT 1/19	MERO 1	FUR 4	TET 2	CHL 2	AUG2 8/4
C	LEVO 1	CLA 4	PEN 0.25	AXO 0.5	AMP 1	SPX 0.25	SXT 0.5/9.5	MERO 0.5	FUR 2	TET 1	CHL 1	AUG2 4/2
D	LEVO 0.5	CLA 2	PEN 0.12	AXO 0.25	AMP 0.5	SPX 0.12	SXT 0.25/4.75	MERO 0.25	FUR 1	TET 0.5	CHL 0.5	AUG2 2/1
E	LEVO 0.25	CLA 1	PEN 0.06	AXO 0.12	AMP 0.25	SPX 0.06	SXT 0.12/2.38	MERO 0.12	FUR 0.5	TET 0.25	ERY 0.25	ERY 0.5
F	LEVO 0.12	CLA 0.5	PEN 0.03	AXO 0.06	AMP 0.12	SPX 0.03	SXT 0.06/1.19	MERO 0.06	FIX 0.12	FIX 0.25	FIX 0.5	FIX 1
G	LEVO 0.06	CLA 0.25	PEN 0.015	AXO 0.03	FEP 0.12	FEP 0.25	FEP 0.5	FEP 1	FEP 2	A/S2 1/0.5	A/S2 2/1	POS
H	LEVO 0.03	CLA 0.12	FAC 4	FAC 8	FAC 16	IMI 0.5	IMI 1	IMI 2	IMI 4	POS	POS	POS

Antimicrobics

A/S2	Ampicillin / Sulbactam 2:1 ratio
AMP	Ampicillin
AUG2	Amoxicillin / Clavulanic Acid 2:1 ratio
AXO	Ceftriaxone
CHL	Chloramphenicol
CLA	Clarithromycin
SXT	Trimethroprim / Sulfamethoxazole
ERY	Erythromycin
FAC	Cefaclor
FEP	Cefepime
FIX	Cefixime
FUR	Cefuroxime
IMI	Impenem
LEVO	Levofloxacin
MERO	Meropenem
PEN	Penicillin
SPX	Sparfloxacin
TET	Tetracycline
POS	Positive control

*For *Haemophilus*. **For *S. pneumaniae/streptococcus*. †Not available in Europe.

Sensititre Gram Positive GPALL1F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive isolates

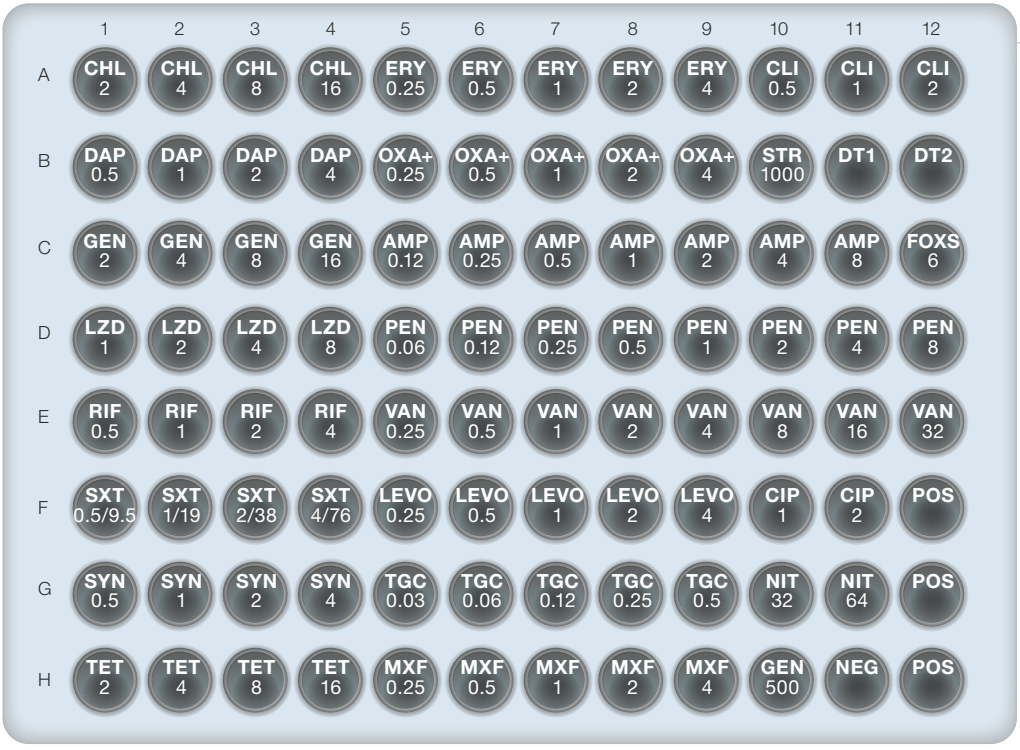
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA, CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl or 30 µl* of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

CHL	Chloramphenicol
DAP	Daptomycin
GEN	Gentamicin
LZD	Linezolid
RIF	Rifampin
SXT	Trimethoprim / Sulfamethoxazole
SYN	Quinupristin / Dalfopristin
TET	Tetracycline
ERY	Erythromycin
OXA+	Oxacillin + 2% NaCl
AMP	Ampicillin
PEN	Penicillin
VAN	Vancomycin
LEVO	Levofloxacin
TGC	Tigecycline
MXF	Moxifloxacin
CLI	Clindamycin
STR	Streptomycin
CIP	Ciprofloxacin
NIT	Nitrofurantoin
DT1	D Test 1
DT2	D Test 2
FOXS	Cefoxitin screen
NEG	Negative control
POS	Positive control

*For aid in detection of resistance mechanisms for Gram positive organisms. †Not available in Europe.

Sensititre Gram Positive GPALL3F Plate
with Ceftaroline and Telavancin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive isolates

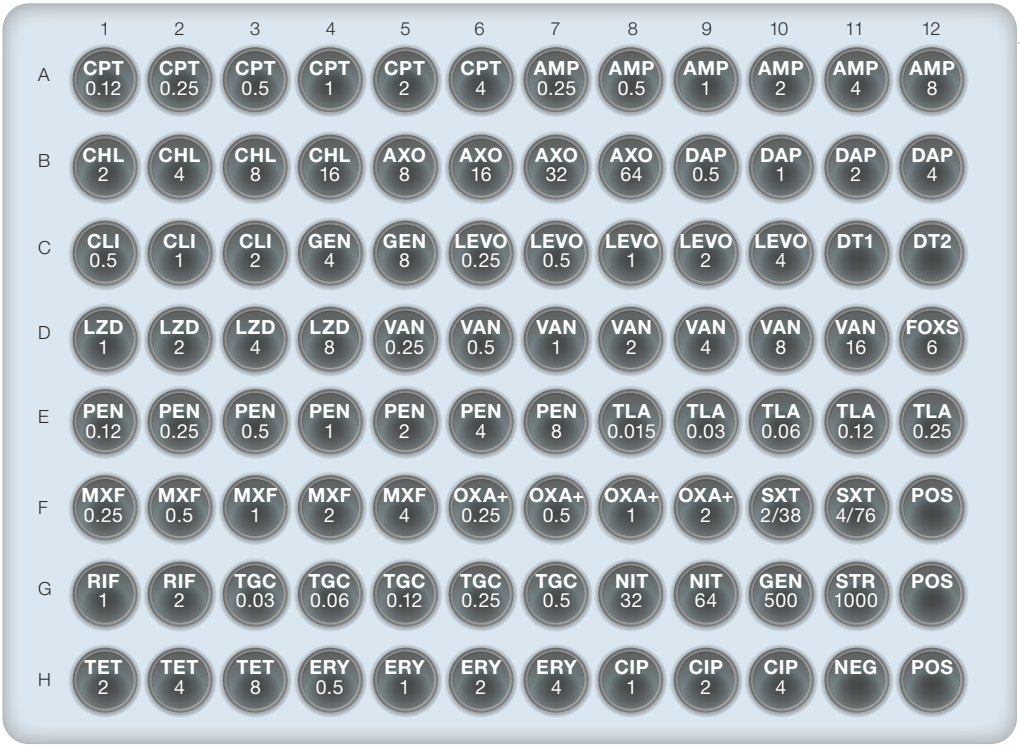
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA, CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl or 30 µl* of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

CPT	Ceftaroline
CHL	Chloramphenicol
CLI	Clindamycin
LZD	Linezolid
PEN	Penicillin
MXF	Moxifloxacin
RIF	Rifampin
TET	Tetracycline
TGC	Tigecycline
GEN	Gentamicin
ERY	Erythromycin
AXO	Cetriaxone
VAN	Vancomycin
LEVO	Levofloxacin
OXA+	Oxacillin + 2% NaCl
AMP	Ampicillin
TLA	Telavancin w/ Tween mimic
NIT	Nitrofurantoin
CIP	Ciprofloxacin
DAP	Daptomycin
SXT	Trimethoprim / Sulfamethoxazole
DT1	D Test 1
DT2	D Test 2
STR	Streptomycin
FOXS	Cefoxitin screen
NEG	Negative control
POS	Positive control

*For aid in detection of resistance mechanisms for Gram positive organisms. †Not available in Europe.

Sensititre Gram Positive EUSTAPF Plate
with Ceftaroline and Telavancin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** CE, EUCAST [Europe]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl or 30 µl* of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	CPT 0.5	SXT 1/19	LZD 2	TET 0.5	TEI 1	ERY 0.25	TLA 0.03	TOB 0.25	GEN 0.25	VAN 0.5	RIF 0.03	MUP 0.5
B	CPT 1	SXT 2/38	LZD 4	TET 1	TEI 2	ERY 0.5	TLA 0.06	TOB 0.5	GEN 0.5	VAN 1	RIF 0.06	MUP 1
C	CPT 2	SXT 4/76	LZD 8	TET 2	TEI 4	ERY 1	TLA 0.12	TOB 1	GEN 1	VAN 2	RIF 0.12	MUP 2
D	CPT 4	SXT 8/152	LZD 16	TET 4	TEI 8	ERY 2	TLA 0.25	TOB 2	GEN 2	VAN 4	RIF 0.25	MUP 4
E	FUS 0.5	DAP 0.5	CLI 0.12	LEVO 0.5	TEI 16	ERY 4	TLA 0.5	TOB 4	GEN 4	VAN 8	RIF 0.5	MUP 8
F	FUS 1	DAP 1	CLI 0.25	LEVO 1	NOR 4	DT1	TLA 1	TOB 8	GEN 8	VAN 16	RIF 1	MUP 256
G	FUS 2	DAP 2	CLI 0.5	LEVO 2	NOR 8	DT2	MXF 0.25	MXF 0.5	MXF 1	MXF 2	POS	NEG
H	FUS 4	DAP 4	CLI 1	LEVO 4	NOR 16	FOX 1	FOX 2	FOX 4	FOX 8	FOXS 6	POS	POS

Antimicrobics

FOX	Cefoxitin
FOXS	Cefoxitin screen
CPT	Ceftaroline
CLI	Clindamycin
DT1	D Test 1
DT2	D Test 2
DAP	Daptomycin
ERY	Erythromycin
FUS	Fusidate
GEN	Gentamicin
LEVO	Levofloxacin
LZD	Linexolid
MXF	Moxifloxacin
MUP	Mupirocin
NOR	Norfloxacin
RIF	Rifampin
TEI	Teicoplanin
TLA	Telavancin
TET	Tetracycline
TOB	Tobramycin
SXT	Trimethoprim / Sulfanethoxazole
VAN	Vancomycin
NEG	Negative control
POS	Positive control

*For aid in detection of resistance mechanisms for Gram positive organisms. †Not available in Europe.

Sensititre Gram Positive FDANDPF Plate
with Oritavancin, Dalbavancin, and Tedizolid

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**IVD** FDA [US]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl or 30 µl* of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	ORI 0.002	ORI 0.004	ORI 0.008	ORI 0.015	ORI 0.03	ORI 0.06	ORI 0.12	ORI 0.25	ORI 0.5	ORI 1	ORI 2	ORI 4
B	TLA 0.001	TLA 0.002	TLA 0.004	TLA 0.008	TLA 0.015	TLA 0.03	TLA 0.06	TLA 0.12	TLA 0.25	TLA 0.5	TLA 1	TLA 2
C	CPT 0.06	CPT 0.12	CPT 0.25	CPT 0.5	CPT 1	CPT 2	CPT 4	CPT 8	CPT 16	CPT 32	CPT 64	FOXS 6
D	VAN 0.25	VAN 0.5	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	VAN 32	VAN 64	VAN 128	DT1	DT2
E	DAL 0.008	DAL 0.015	DAL 0.03	DAL 0.06	DAL 0.12	DAL 0.25	DAL 0.5	DAL 1	DAL 2	CLI 0.5	CLI 1	CLI 2
F	TZD 0.03	TZD 0.06	TZD 0.12	TZD 0.25	TZD 0.5	TZD 1	TZD 2	TZD 4	ERY 0.5	ERY 1	ERY 2	ERY 4
G	LZD 0.25	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16	LZD 32				NEG
H	OXA+ 0.12	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	OXA+ 4				POS	POS	POS

Antimicrobics

FOXS	Cefoxitin screen
CPT	Chloramphenicol
CLI	Clindamycin
DT1	D Test 1
DT2	D Test 2
DAL	Dalbavancin
ERY	Erythromycin
LZD	Linezolid
ORI	Oritavancin
OXA+	Oxacillin + 2% NaCl
TZD	Tedizolid
TLA	Telavancin
VAN	Vancomycin
NEG	Negative control
POS	Positive control

*For aid in detection of resistance mechanisms for Gram positive organisms. †Not available in Europe.

Sensititre YeastOne YO2IVD Plate

Intended Use

Antimicrobial susceptibility plate for testing *Candida* species

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre YeastOne Broth** (Y3462)	**IVD** FDA, CLSI [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 20 µl of suspension into Sensititre YeastOne Broth

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 35°C in a non-CO_2 incubator for 24-25 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	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	IZ 2
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	IZ 0.03	IZ 1
C	FZ 0.25	FZ 0.5	FZ 1	FZ 2	FZ 4	FZ 8	FZ 16	FZ 32	FZ 64	FZ 32	IZ 0.06	IZ 0.5
D	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	IZ 0.12	IZ 0.25
E	POS	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	IZ 2
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	IZ 0.03	IZ 1
G	FZ 0.25	FZ 0.5	FZ 1	FZ 2	FZ 4	FZ 8	FZ 16	FZ 32	FZ 64	FC 32	IZ 0.06	IZ 0.5
H	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	IZ 0.12	IZ 0.25

Antimicrobics

FC	5-Flucytosine
FZ	Fluconazole
CAS	Caspofungin
VOR	Voriconazole
IZ	Itraconazole
POS	Positive control

Sensititre YeastOne YO3IVD Plate
with Micafungin

Intended Use

Antimicrobial susceptibility plate for testing *Candida* species

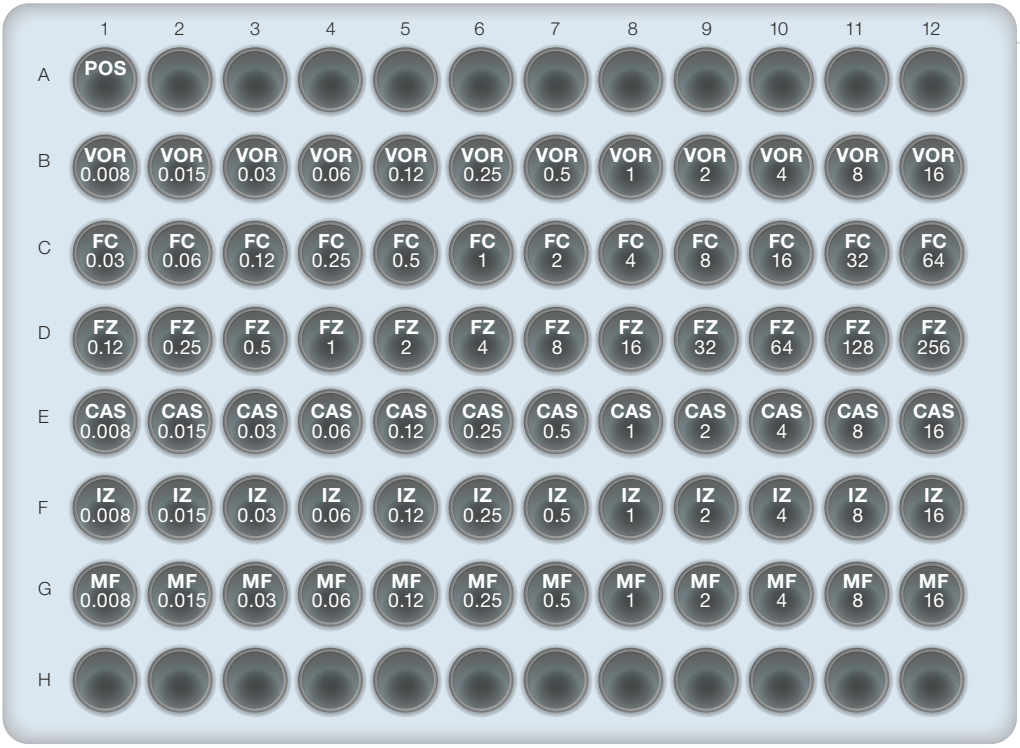
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre YeastOne Broth** (Y3462)	**IVD** FDA, CLSI [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 20 µl of suspension into Sensititre YeastOne Broth

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 35°C in a non-CO_2 incubator for 24-25 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

FC	5-Flucytosine
FZ	Fluconazole
CAS	Caspofungin
VOR	Voriconazole
IZ	Itraconazole
MF	Micafungin
POS	Positive control

Sensititre YeastOne YO9 Plate
with Anidulafungin and Micafungin

Intended Use

Antimicrobial susceptibility plate for testing *Candida* species

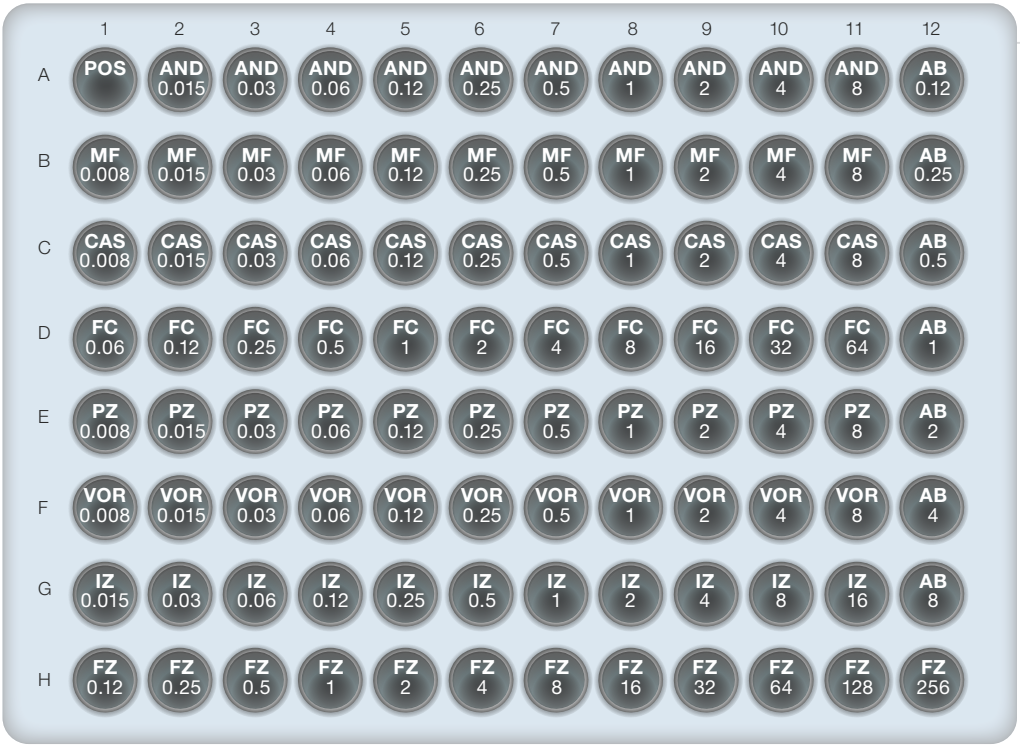
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre YeastOne Broth** (Y3462)	**RUO** CLSI [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 20 µl of suspension into Sensititre YeastOne Broth

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 35°C in a non-CO_2 incubator for 24-25 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AND	Anidulafungin
AB	Amphotericin B
MF	Micafungin
CAS	Caspofungin
FC	5-Flucytosine
PZ	Posaconazole
VOR	Voriconazole
IZ	Itraconazole
FZ	Fluconazole
POS	Positive control

Sensititre YeastOne YO10 Plate
with Anidulafungin and Micafungin

Intended Use

Antimicrobial susceptibility plate for testing *Candida* species

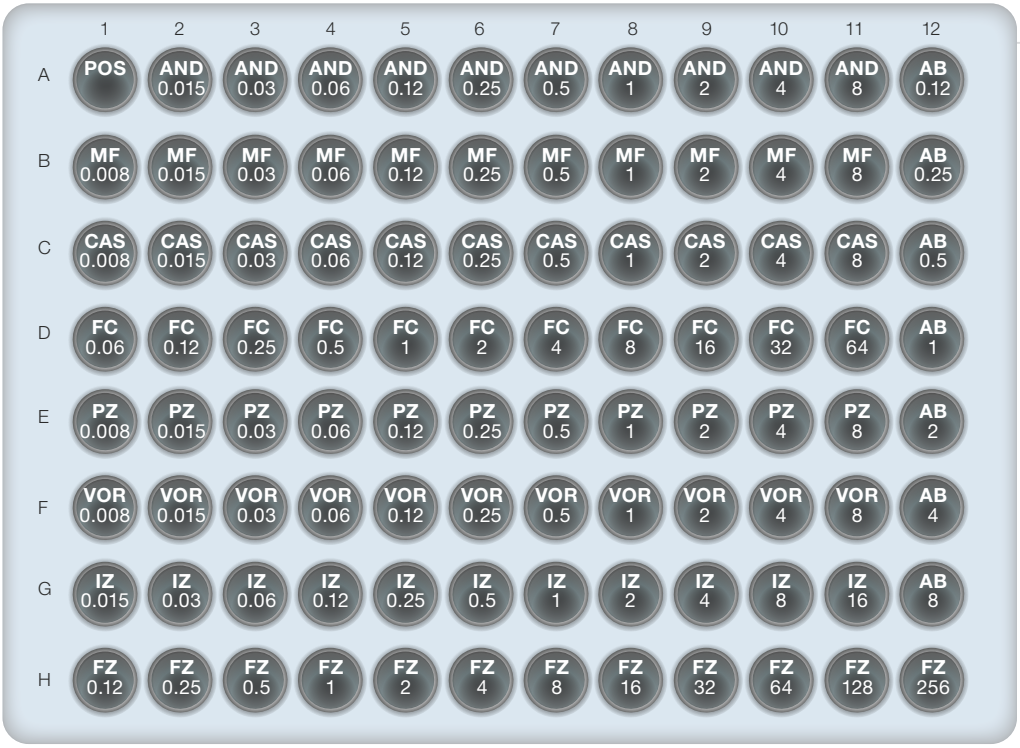
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre YeastOne Broth** (Y3462)	**IVD** CE, CLSI [Outside US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 20 µl of suspension into Sensititre YeastOne Broth

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 35°C in a non-CO_2 incubator for 24-25 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AND	Anidulafungin
AB	Amphotericin B
MF	Micafungin
CAS	Caspofungin
FC	5-Flucytosine
PZ	Posaconazole
VOR	Voriconazole
IZ	Itraconazole
FZ	Fluconazole
POS	Positive control

Sensititre Mycobacterium tuberculosis MYCOTB Plate

Intended Use

Determiniation of MICs to first and second-line anti-tuberculosis drugs for *Mycobacterium tuberculosis* isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Saline Tween with Glass Beads** (T3490)	**Sensititre Middlebrook 7H9 with OADC** (T3440)	**RUO** [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

1. Put 3-5 colonies into Saline Tween with Glass Beads to reach 0.5 McFarland Standard, Mix 100 µl into Sensititre Middlebrook 7H9 with OADC
2. Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette
3. Seal Sensititre plate and incubate at 35-37°C in a non-CO_2 incubator for 10-21 days
4. Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	OFL 32	MXF 8	RIF 16	AMI 16	STR 32	RFB 16	PAS 64	ETH 40	CYC 256	INH 4	KAN 40	EMB 32
B	OFL 16	MXF 4	RIF 8	AMI 8	STR 16	RFB 8	PAS 32	ETH 20	CYC 128	INH 2	KAN 20	EMB 16
C	OFL 8	MXF 2	RIF 4	AMI 4	STR 8	RFB 4	PAS 16	ETH 10	CYC 64	INH 1	KAN 10	EMB 8
D	OFL 4	MXF 1	RIF 2	AMI 2	STR 4	RFB 2	PAS 8	ETH 5	CYC 32	INH 0.5	KAN 5	EMB 4
E	OFL 2	MXF 0.5	RIF 1	AMI 1	STR 2	RFB 1	PAS 4	ETH 2.5	CYC 16	INH 0.25	KAN 2.5	EMB 2
F	OFL 1	MXF 0.25	RIF 0.5	AMI 0.5	STR 1	RFB 0.5	PAS 2	ETH 1.2	CYC 8	INH 0.12	KAN 1.2	EMB 1
G	OFL 0.5	MXF 0.12	RIF 0.25	AMI 0.25	STR 0.5	RFB 0.25	PAS 1	ETH 0.6	CYC 4	INH 0.06	KAN 0.6	EMB 0.5
H	OFL 0.25	MXF 0.06	RIF 0.12	AMI 0.12	STR 0.25	RFB 0.12	PAS 0.5	ETH 0.3	CYC 2	INH 0.03	POS	POS

Antimicrobics

OFL	Ofloxacin
MXF	Moxifloxacin
RIF	Rifampin
AMI	Amikacin
STR	Streptomycin
RFB	Rifabutin
PAS	Para-aminosalicylic acid
ETH	Ethionamide
CYC	Cycloserine
INH	Isoniazid
KAN	Kanamycin
EMB	Ethambutol
POS	Positive control

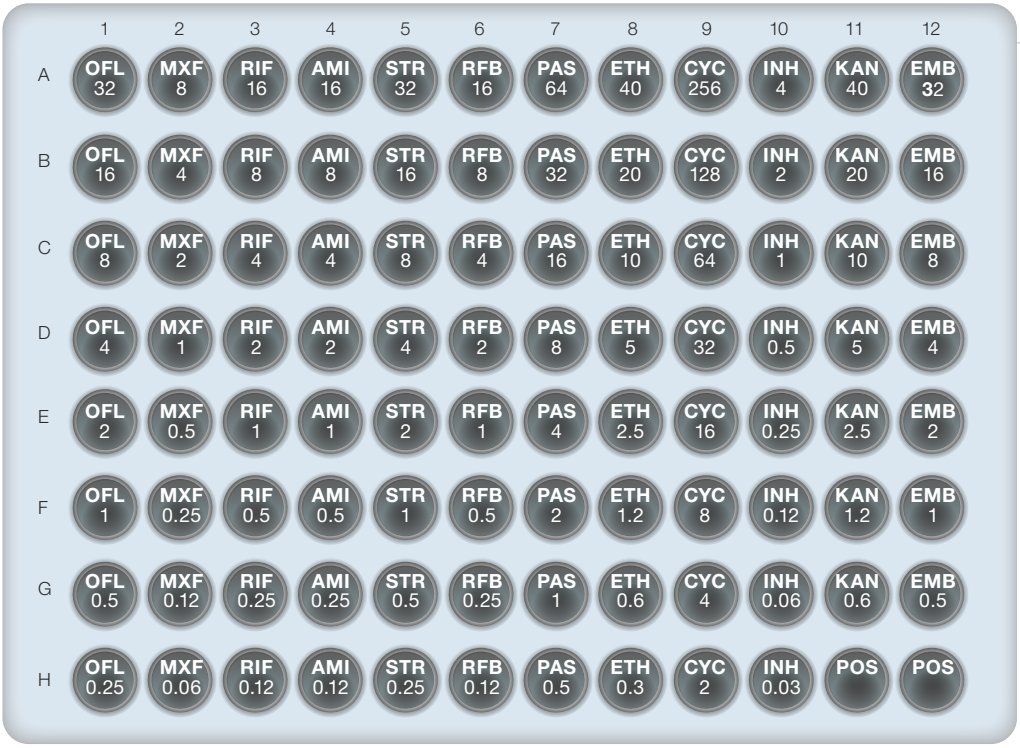
Sensititre Mycobacterium tuberculosis MYCOTBI Plate

Intended Use

Determiniation of MICs to first and second-line anti-tuberculosis drugs for *Mycobacterium tuberculosis* isolates

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Saline Tween with Glass Beads** (T3490)	**Sensititre Middlebrook 7H9 with OADC** (T3440)	**IVD** CE [Outside US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

1. Put 3-5 colonies into Saline Tween with Glass Beads to reach 0.5 McFarland Standard, Mix 100 µl into Sensititre Middlebrook 7H9 with OADC
2. Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette
3. Seal Sensititre plate and incubate at 35-37°C in a non-CO_2 incubator for 10-21 days
4. Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

OFL	Ofloxacin
MXF	Moxifloxacin
RIF	Rifampin
AMI	Amikacin
STR	Streptomycin
RFB	Rifabutin
PAS	Para-aminosalicylic acid
ETH	Ethionamide
CYC	Cycloserine
INH	Isoniazid
KAN	Kanamycin
EMB	Ethambutol
POS	Positive control

Sensititre Rapid Growing Myco RAPMYCO Plate

Intended Use

Susceptibility testing of rapidly growing mycobacteria, *Nocardia* spp., and other aerobic actinomycetes

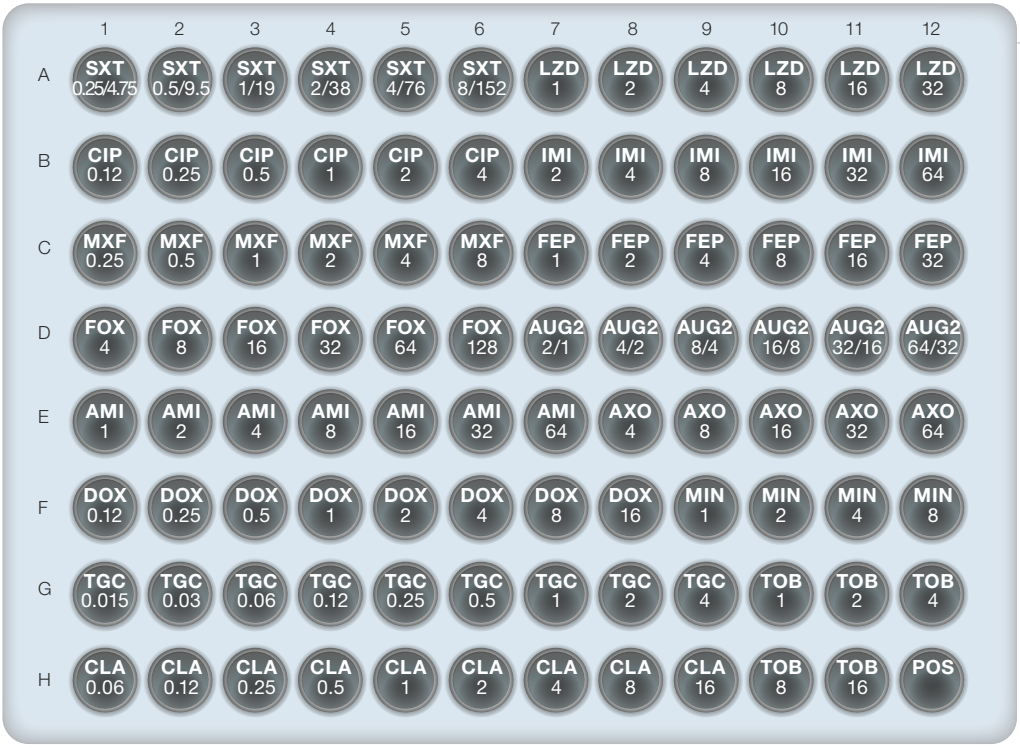
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre MHB with TES** (T3462)	**RUO** [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 50 µl of suspension into Sensititre MHB with TES

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 30°C in a non-CO_2 air incubator for 72 hours*

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

SXT	Trimethoprim / Sulfamethoxazole
CIP	Ciprofloxacin
MXF	Moxifloxacin
FOX	Cefoxitin
AMI	Amikacin
DOX	Doxycycline
TGC	Tigecycline
CLA	Clarithromycin
LZD	Linezolid
IMI	Imipenem
FEP	Cefepime
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
AXO	Ceftriaxone
MIN	Minocycline
TOB	Tobramycin
POS	Positive control

*For *Nocardia* spp. and other aerobic actinomycetes, incubate at 35°C in a non-CO_2 incubator for 2-3 days.

Sensititre Rapid Growing Myco RAPMYCOI Plate

Intended Use

Susceptibility testing of rapidly growing mycobacteria, *Nocardia* spp., and other aerobic actinomycetes

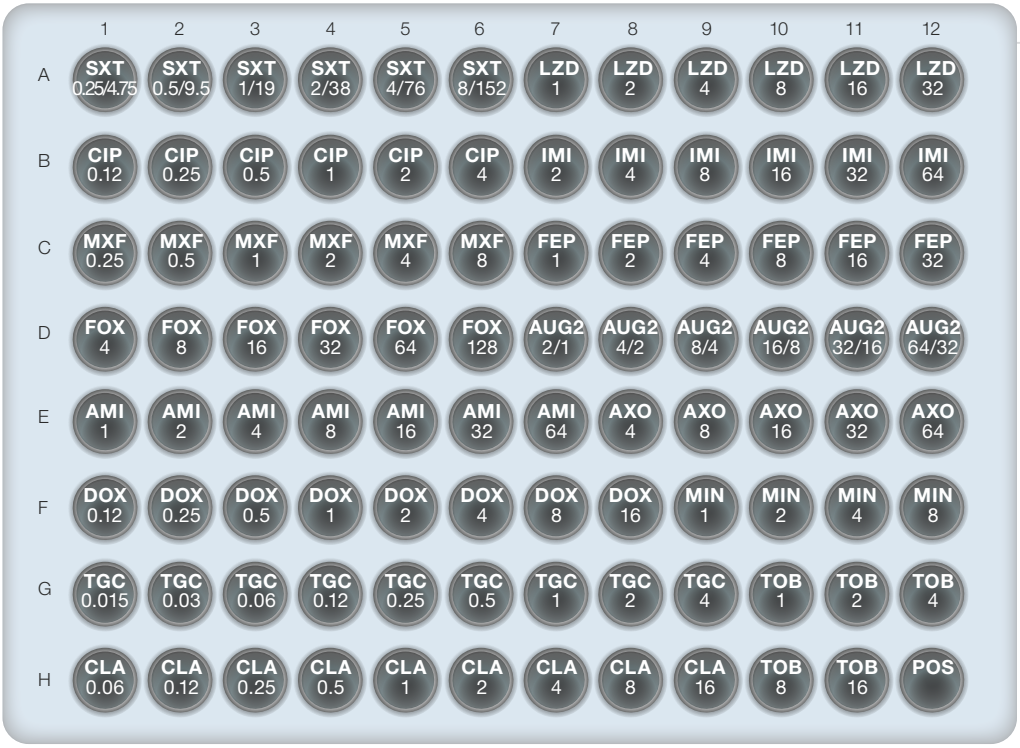
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre MHB with TES** (T3462)	**IVD** CE [Outside US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 50 µl of suspension into Sensititre MHB with TES

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 30°C in a non-CO_2 air incubator for 72 hours*

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

SXT	Trimethoprim / Sulfamethoxazole
CIP	Ciprofloxacin
MXF	Moxifloxacin
FOX	Cefoxitin
AMI	Amikacin
DOX	Doxycycline
TGC	Tigecycline
CLA	Clarithromycin
LZD	Linezolid
IMI	Imipenem
FEP	Cefepime
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
AXO	Ceftriaxone
MIN	Minocycline
TOB	Tobramycin
POS	Positive control

*For *Nocardia* spp. and other aerobic actinomycetes, incubate at 35°C in a non-CO_2 incubator for 2-3 days.

Sensititre Slow Growing Myco SLOMYCO Plate

Intended Use

Susceptibility testing of slow growing non-tuberculosis mycobacteria (NTM)

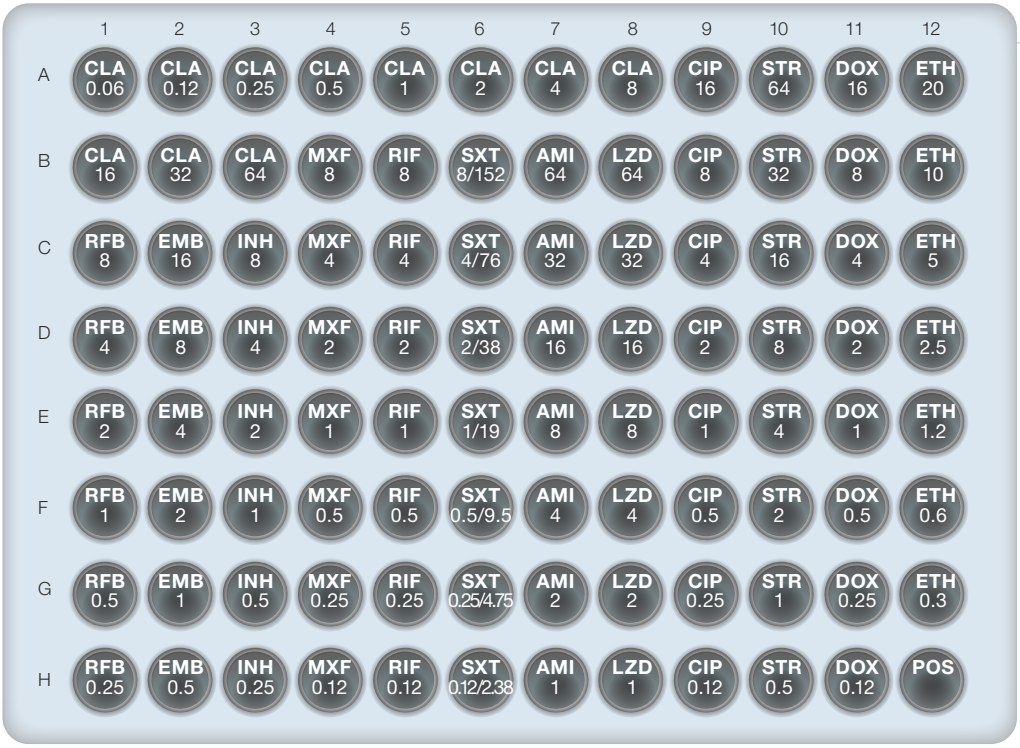
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre MHB with OADC** (T8005)	**RUO** [US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 50 µl of suspension into Sensititre MHB with OADC

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal plate and incubate at 35°C in non-CO_2 incubator for 7-14 days

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

CLA	Clarithromycin
RFB	Rifabutin
EMB	Ethambutol
INH	Isoniazid
MXF	Moxifloxacin
RIF	Rifampin
SXT	Trimethoprim / Sulfamethoxazole
AMI	Amikacin
LZD	Linezolid
CIP	Ciprofloxacin
STR	Streptomycin
DOX	Doxycycline
ETH	Ethionamide
POS	Positive control

Sensititre Slow Growing Myco SLOMYCOI Plate

Intended Use

Susceptibility testing of slow growing non-tuberculosis mycobacteria (NTM)

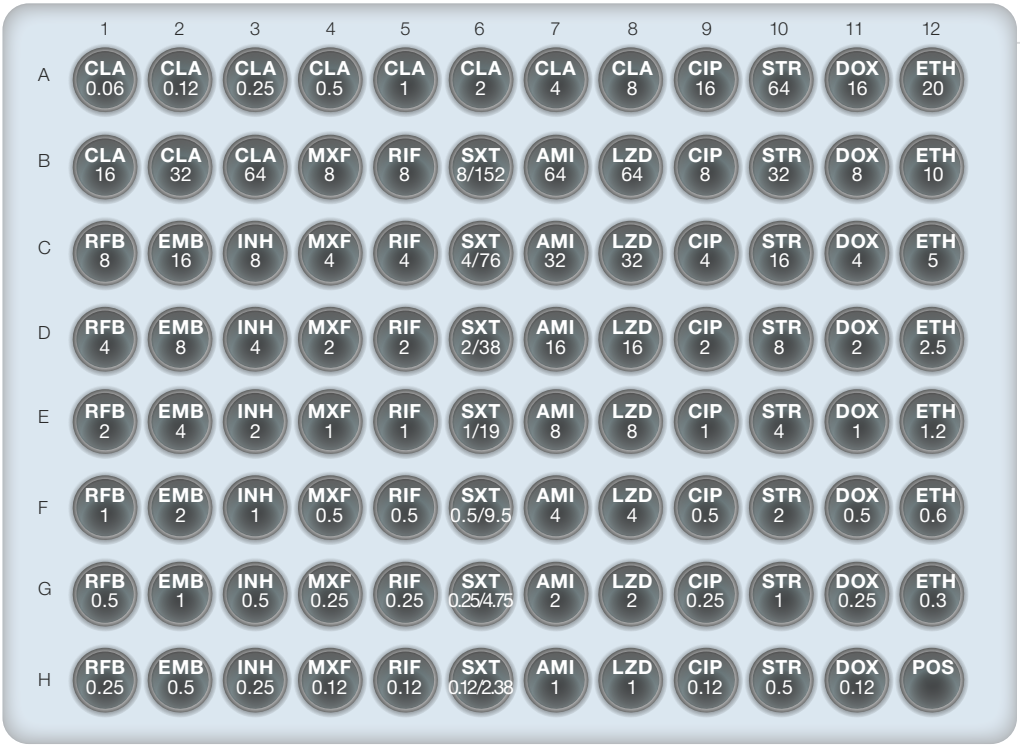
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre MHB with OADC** (T8005)	**IVD** CE [Outside US]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 50 µl of suspension into Sensititre MHB with OADC

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal plate and incubate at 35°C in non-CO_2 incubator for 7-14 days

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

CLA	Clarithromycin
RFB	Rifabutin
EMB	Ethambutol
INH	Isoniazid
MXF	Moxifloxacin
RIF	Rifampin
SXT	Trimethoprim / Sulfamethoxazole
AMI	Amikacin
LZD	Linezolid
CIP	Ciprofloxacin
STR	Streptomycin
DOX	Doxycycline
ETH	Ethionamide
POS	Positive control

Offering true MIC results for over 40+ veterinary-specific antimicrobials and the broadest portfolio of host animal-specific AST plates, the Sensititre System bolsters your ability to improve animal outcomes.

Emergent diseases and evolving multidrug resistance demand earlier intervention with the latest antimicrobials. To effectively treat animal and zoonotic infections, you need a microbiology offering that delivers relevant, more accurate results every time. For standard and custom solutions formulated specifically for veterinary microbiology laboratories, choose the Sensititre ID/AST System.

Our latest offering is the Thermo Scientific™ Sensititre™ Bovine BOPO7F Plate – the only standard microbroth dilution AST to include gamithromycin and tildipirosin in the fight against bovine respiratory disease.

Host animal-specific AST formats ensure compliance with veterinary CLSI recommendations.

Avian	**Mastitis**
Bovine/Porcine	**Urine**
Companion	**Topical**
Equine	

Sensititre Vet Avian AVIAN1F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

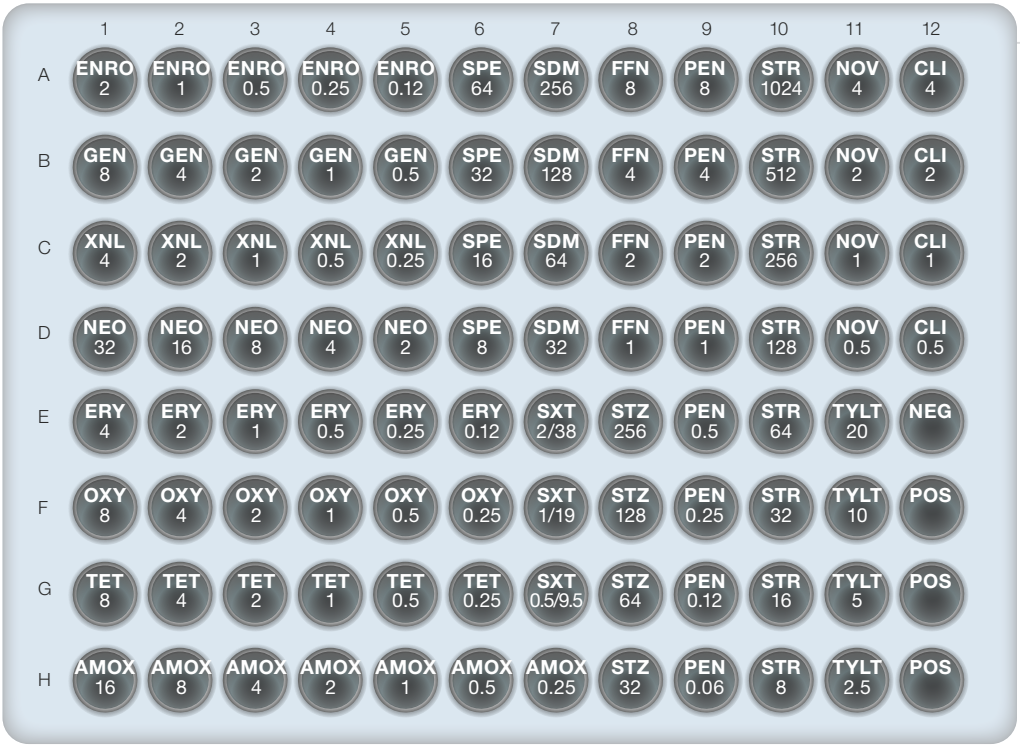
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

ENRO	Enrofloxacin
GEN	Gentamicin
XNL	Ceftiofur
NEO	Neomycin
ERY	Erythromycin
OXY	Oxytetracycline
TET	Tetracycline
AMOX	Amoxicillin
SPE	Spectinomycin
SDM	Sulphadimethoxine
SXT	Trimethoprim / Sulfamethoxazole
FFN	Florfenicol
STZ	Sulphathiazole
PEN	Penicillin
STR	Streptomycin
NOV	Novobiocin
TYLT	Tylosin tartrate
CLI	Clindamycin
NEG	Negative control
POS	Positive control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

Sensititre Vet Equine EQUIN1F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

(For *Streptococcus pneumoniae* and *Actinobacillus pleuropneumoniae* isolates, contact your local Thermo Fisher Scientific Microbiology respresentative for protocol specifications)

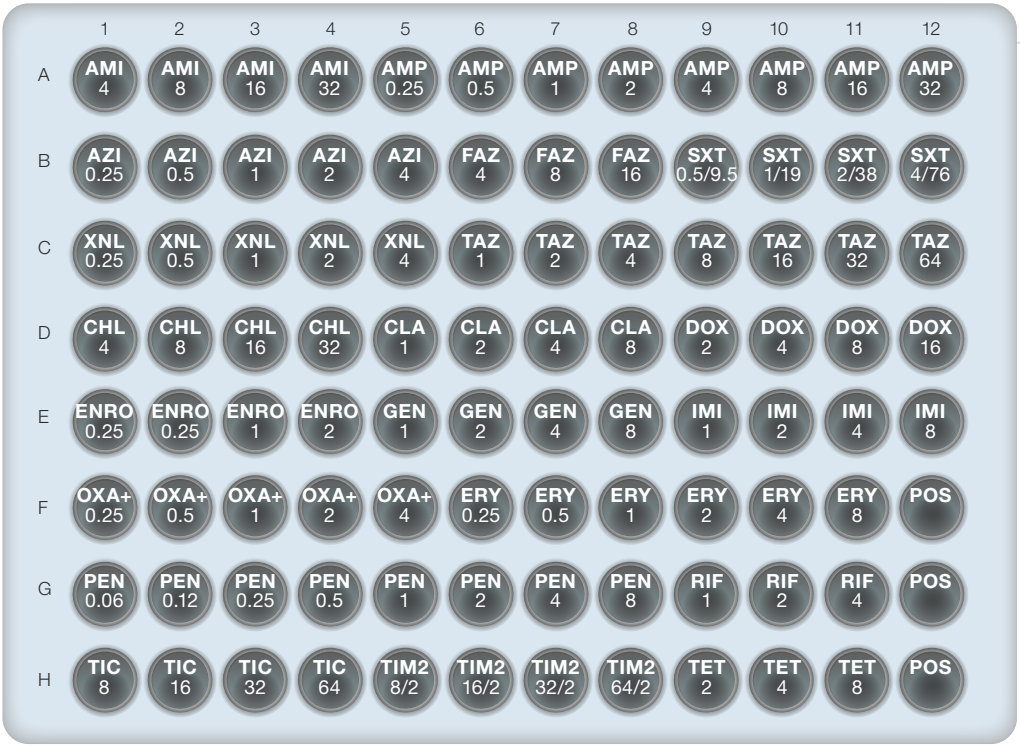
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AMI	Amikacin
AZI	Azithromycin
XNL	Ceftiofur
CHL	Chloramphenicol
ENRO	Enrofloxacin
OXA+	Oxacillin + 2% NaCl
PEN	Penicillin
TIC	Ticarcillin
AMP	Ampicillin
CLA	Clarithromycin
GEN	Gentamicin
TIM2	Ticarcillin / Clavulanic acid constant 2
FAZ	Cefazolin
TAZ	Ceftazidime
ERY	Erythromycin
SXT	Trimethoprim / Sulfamethoxazole
DOX	Doxycycline
IMI	Imipenem
RIF	Rifampin
TET	Tetracycline
POS	Positive Control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

Sensititre Vet Bovine/Swine BOPO6F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

(For *Mannheimia hemolytica, Pasteurella multocida, Bordetella bronchiseptica, Streptococcus pneumoniae, Histophilus somni*, and *Actinobacillus pleuropneumoniae* isolates, contact your local Thermo Fisher Microbiology respresentative for protocol specifications)

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

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

Antimicrobics

XNL	Ceftiofur
TIA	Tiamulin
CTET	Chlortetracycline
GEN	Gentamicin
FFN	Florfenicol
OXY	Oxytetracycline
PEN	Penicillin
AMP	Ampicillin
DANO	Danofloxacin
SDM	Sulphadimethoxine
NEO	Neomycin
SXT	Trimethoprim / Sulfamethoxazole
SPE	Spectinomycin
TYLT	Tylosin tartrate
TUL	Tulathromycin
TIL	Tilmicosin
CLI	Clindamycin
ENRO	Enrofloxacin
POS	Positive control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

The latest antimicrobials to combat bovine respiratory disease

Introducing the Sensititre Bovine BOPO7F Plate—the only host animal-specific AST solution to include gamithromycin and tildipirosin in a standard format

Demand for rigorous testing of animals and livestock with the latest antimicrobials has escalated due to emergent diseases like bovine respiratory disease (BRD) and evolving multidrug resistance. BRD presents significant economic challenges to the animal production industry, reinforcing the need for earlier tests and faster results.

As the first standard format AST solution to include gamithromycin and tildipirosin for bovine/porcine applications, the Sensititre Bovine BOPO7F Plate delivers host animal-specific results on a single plate, enabling faster, more effective therapy intervention and improved animal outcomes. The Sensititre Bovine BOPO7F Plate features:

- Gamithromycin and tildipirosin, two of the latest antimicrobials approved for the treatment of BRD
- Updated breakpoint ranges* for tilmicosin, tulathromycin and tiamulin to meet the latest standards designated by CLSI, and consolidation of tetracycline agents for more efficient AST
- True MIC results from a host animal-specific format

*Contact Thermo Fisher Scientific Microbiology Technical Support to add new breakpoint updates to your Thermo Scientific™ Sensititre™ SWIN™ Software.

Not all products are available for sale in all territories. Please inquire.

Sensititre Vet Bovine BOPO7F Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

(For *Mannheimia hemolytica, Pasteurella multocida, Bordetella bronchiseptica, Streptococcus pneumoniae, Histophilus somni*, and *Actinobacillus pleuropneumoniae* isolates, contact your local Thermo Fisher Microbiology respresentative for protocol specifications)

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [US, Canada]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

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

Antimicrobics

GAM	Gamithromycin
AMP	Ampicillin
XNL	Ceftiofur
CLI	Clindamycin
DANO	Danofloxacin
ENRO	Enrofloxacin
FFN	Florfenicol
GEN	Gentamicin
NEO	Neomycin
PEN	Penicillin
SPE	Spectinomycin
SDM	Sulphadimethoxine
TET	Tetracycline
TIA	Tiamulin
TIP	Tildipirosin
TIL	Tilmicosin
SXT	Trimethoprim / Sulfamethoxazole
TUL	Tulathromycin
TYLT	Tylosin tartrate
POS	Positive control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

More choice. More performance.

Sensititre Veterinary MIC Plates for Companion Animals—expand treatment options with the latest veterinary CLSI recommendations

The Sensititre Vet Companion Animal Gram Positive COMPGP1F Plate and Sensititre Vet Companion Animal Gram Negative COMPGN1F Plate represent our commitment to providing the most comprehensive species-specific drug ranges, including the newest compounds that comply with the latest veterinary CLSI recommendations. Increase the range of Sensititre AST—achieve maximum performance across a number of animal species and surveillance purposes.

Scalable—flexible instrumentation options designed to be modular in order to meet unique needs of individual lab space, workload, and budget requirements

Robust—superior reproducibility for accurate results the first time, thereby, reducing unnecessary testing and protocols

Up-to-date—comply to the latest CLSI veterinary guidelines for companion animal Gram positive and Gram negative AST to ensure relevant results based on real-time epidemiology trends

Tailor-made—design your own plate to meet specific formulary and surveillance requirements from a selection of more than 50 veterinary-specific agents

Sensititre Vet Companion Animal Gram Positive COMPGP1F Plate
with Pradofloxacin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive isolates of veterinary origin

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl or 30 µl* of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours**

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	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	AUG2 0.25/0.12	AUG2 0.5/0.25	AUG2 1/0.5	AUG2 2/1	AUG2 4/2	AUG2 8/4
B	CEP 2	CEP 4	FAZ 2	FAZ 4	SXT 2/38	SXT 4/76	MIN 0.5	MIN 1	MIN 2	MAR 1	MAR 2	MAR 4
C	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	CHL 8	CHL 16	CHL 32	PRA 0.25	PRA 0.5	PRA 1	PRA 2
D	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4	PEN 8	CLI 0.5	CLI 1	CLI 2	CLI 4
E	AMI 16	AMI 32	NIT 16	NIT 32	NIT 64	IMI 1	IMI 2	IMI 4	DOX 0.12	DOX 0.25	DOX 0.5	NEG
F	ENRO 0.25	ENRO 0.5	ENRO 1	ENRO 2	ENRO 4	TET 0.25	TET 0.5	TET 1	GEN 4	GEN 8	GEN 16	POS
G	POD 2	POD 4	POD 8	FOV 0.06	FOV 0.12	FOV 0.25	FOV 0.5	FOV 1	FOV 2	FOV 4	FOV 8	POS
H	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	RIF 1	RIF 2	POS

Antimicrobics

AMI	Amikacin
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
AMP	Ampicillin
FAZ	Cefazolin
FOV	Cefovecin
POD	Cefopodoxime
CEP	Cephalothin
CHL	Chloramphenicol
CLI	Clindamycin
DOX	Doxycycline
ENRO	Enrofloxacin
ERY	Erythromycin
GEN	Gentamicin
IMI	Impenem
MAR	Marbofloxacin
MIN	Minocycline
NIT	Nitrofurantoin
OXA+	Oxacillin + 2% NaCl
PEN	Penicillin
PRA	Pradofloxacin
RIF	Rifampin
TET	Tetracycline
SXT	Trimethoprim / Sulfamethoxazole
VAN	Vancomycin
NEG	Negative control
POS	Positive control

*Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
**Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

Sensititre Vet Companion Animal Gram Negative COMPGN1F Plate
with Pradofloxacin

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram negative isolates of veterinary origin

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl* or 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	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	AUG2 0.25/0.12	AUG2 0.5/0.25	AUG2 1/0.5	AUG2 2/1	AUG2 4/2	AUG2 8/4
B	POD 1	POD 2	POD 4	POD 8	PRA 0.25	PRA 0.5	PRA 1	PRA 2	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76
C	FOV 0.25	FOV 0.5	FOV 1	FOV 2	FOV 4	FOV 8	GEN 0.25	GEN 0.5	GEN 1	GEN 2	GEN 4	GEN 8
D	LEX 0.5	LEX 1	LEX 2	LEX 4	LEX 8	LEX 16	DOX 0.25	DOX 0.5	DOX 1	DOX 2	DOX 4	DOX 8
E	IMI 1	IMI 2	IMI 4	IMI 8	ORB 1	ORB 2	ORB 4	ORB 8	AMI 4	AMI 8	AMI 16	AMI 32
F	FAZ 1	FAZ 2	FAZ 4	FAZ 8	FAZ 16	FAZ 32	MAR 0.12	MAR 0.25	MAR 0.5	MAR 1	MAR 2	MAR 4
G	ENRO 0.12	ENRO 0.25	ENRO 0.5	ENRO 1	ENRO 2	ENRO 4	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	POS
H	P/T4 8/4	P/T4 16/4	P/T4 32/4	P/T4 64/4	TET 4	TET 8	TET 16	TAZ 4	TAZ 8	TAZ 16	POS	POS

Antimicrobics

AMI	Amikacin
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
AMP	Ampicillin
FAZ	Cefazolin
FOV	Cefovecin
POD	Cefopodoxime
TAZ	Ceftazidime
LEX	Cephalexin
CHL	Chloramphenicol
DOX	Doxycycline
ENRO	Enrofloxacin
GEN	Gentamicin
IMI	Impenem
MAR	Marbofloxacin
ORB	Orbifloxacin
P/T4	Piperacillin / Tazobactam contant 4
PRA	Pradofloxacin
TET	Tetracycline
SXT	Trimethoprim / Sulfamethoxazole
POS	Positive control

*For *Proteus* spp. †Not available in Europe.

Sensititre Vet Mastitis CMV1AMAF Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

(For *Streptococcus pneumoniae* isolates, contact your local Thermo Fisher Scientific Microbiology representative for protocol specifications)

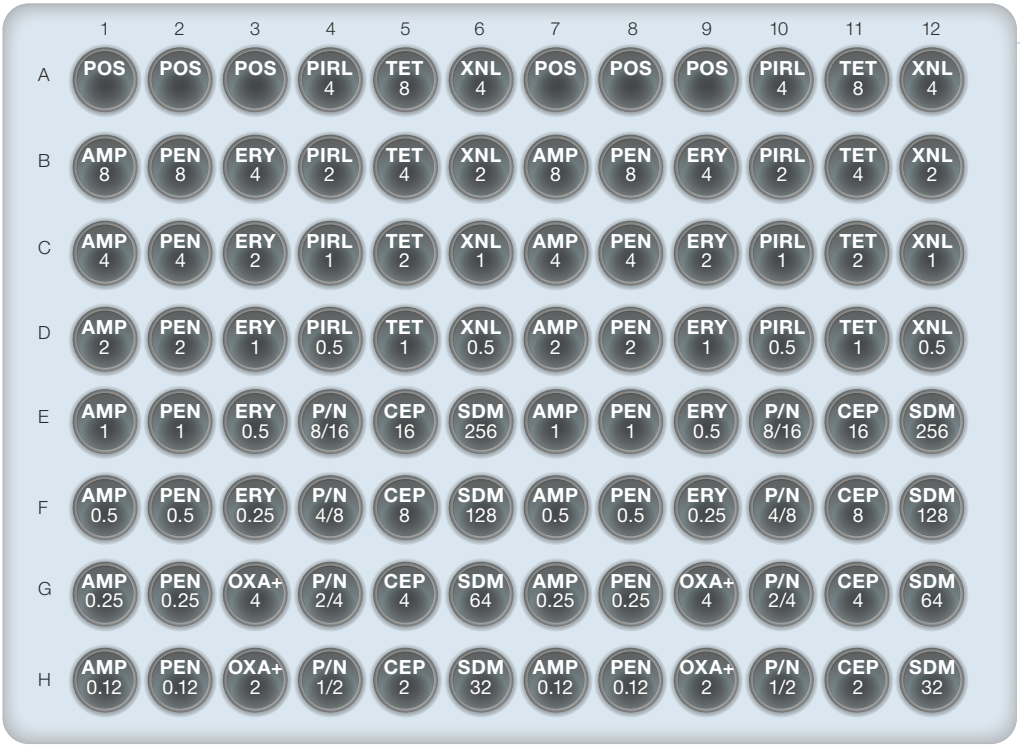
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AMP	Ampicillin
PEN	Penicillin
ERY	Erythromycin
OXA+	Oxacillin +2% NaCl
PIRL	Pirlamycin
P/N	Penicillin / Novobiocin
TET	Tetracycline
CEP	Cephalothin
XNL	Ceftiofur
SDM	Sulphadimethoxine
POS	Positive control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

Sensititre Urinary CMV1BURF Plate

Intended Use

Antimicrobial susceptibility plate for testing non-fastidious Gram positive and Gram negative isolates of veterinary origin

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 1 µl*, 10 µl, or 30 µl** of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours***

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	POS	POS	AMP 256	AUG2 256/128	ENRO 4	POS	POS	POS	AMP 256	AUG2 256/128	ENRO 4
B	SXT 8/152	TET 128	LEX 256	AMP 128	AUG2 128/64	ENRO 2	SXT 8/152	TET 128	LEX 256	AMP 128	AUG2 128/64	ENRO 2
C	SXT 4/76	TET 64	LEX 128	AMP 64	AUG2 64/32	ENRO 1	SXT 4/76	TET 64	LEX 128	AMP 64	AUG2 64/32	ENRO 1
D	SXT 2/38	TET 32	LEX 64	AMP 32	AUG2 32/16	ENRO 0.5	SXT 2/38	TET 32	LEX 64	AMP 32	AUG2 32/16	ENRO 0.5
E	XNL 4	TET 16	LEX 32	AMP 16	AUG2 16/8	ENRO 0.25	XNL 4	TET 16	LEX 32	AMP 16	AUG2 16/8	ENRO 0.25
F	XNL 2	TET 8	LEX 16	AMP 8	AUG2 8/4	ENRO 0.12	XNL 2	TET 8	LEX 16	AMP 8	AUG2 8/4	ENRO 0.12
G	XNL 1	TET 4	LEX 8	AMP 4	AUG2 4/2	ENRO 0.06	XNL 1	TET 4	LEX 8	AMP 4	AUG2 4/2	ENRO 0.06
H	XNL 0.5	TET 2	LEX 4	AMP 2	AUG2 2/1	ENRO 0.03	XNL 0.5	TET 2	LEX 4	AMP 2	AUG2 2/1	ENRO 0.03

Antimicrobics

SXT	Trimethoprim / Sulfamethoxazole
XNL	Ceftiofur
TET	Tetracycline
LEX	Cephalexin
AMP	Ampicillin
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
ENRO	Enrofloxacin
POS	Positive control

*For *Proteus* spp. **Ensure detection of hetero-resistant isolates among *Staphylococcus* and *Enterococcus* spp.
***Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp. †Not available in Europe.

Sensititre Breakpoint Eye Two-Isolate JOEYE2 Plate

Product Use

Perform accurate AST with this dual-isolate plate for breakpoint testing of topical compounds

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Veterinary** CLSI [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18-24 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	POS	CIP 1	CIP 2	CIP 4	MXF 0.5	MXF 1	POS	CIP 1	CIP 2	CIP 4	MXF 0.5	MXF 1
B	ERY 0.5	ERY 1	ERY 2	ERY 4	NEO 4	NEO 8	ERY 0.5	ERY 1	ERY 2	ERY 4	NEO 4	NEO 8
C	OXY 0.5	OXY 1	OXY 2	OXY 4	AMI 16	AMI 32	OXY 0.5	OXY 1	OXY 2	OXY 4	AMI 16	AMI 32
D	GEN 2	GEN 4	GEN 8	TIC 16	TIC 32	TIC 64	GEN 2	GEN 4	GEN 8	TIC 16	TIC 32	TIC 64
E	CHL 4	CHL 8	CHL 16	TOB 4	TOB 8	TOB 16	CHL 4	CHL 8	CHL 16	TOB 4	TOB 8	TOB 16
F	OFL 0.12	OFL 0.25	OFL 0.5	OFL 1	POL 5	POL 10	OFL 0.12	OFL 0.25	OFL 0.5	OFL 1	POL 5	POL 10
G	BAC 2	BAC 4	XNL 2	XNL 4	FAZ 8	FAZ 16	BAC 2	BAC 4	XNL 2	XNL 4	FAZ 8	FAZ 16
H	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1	DOX 2	SXT 2/38	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1	DOX 2	SXT 2/38

Antimicrobics

ERY	Erythromycin
OXY	Oxytetracycline
GEN	Gentamicin
CHL	Chloramphenicol
OFL	Ofloxacin
BAC	Bacitracin
DOX	Doxycycline
CIP	Ciprofloxacin
XNL	Ceftiofur
TIC	Ticarcillin
TOB	Tobramycin
MXF	Moxifloxacin
NEO	Neomycin
AMI	Amikacin
POL	Polymixin B
FAZ	Cefazolin
SXT	Trimethoprim / Sulfamethoxazole
POS	Positive control

†Not available in Europe.

Identifying antimicrobial resistance patterns is vital to your ability to better understand key pathogenic drivers and more effectively respond to emerging resistance.

To do so, your lab needs modular, customizable testing options that meet FDA, CLSI and EUCAST requirements.

The Sensititre System provides a standardized AMR surveillance tool to support public health and national reference laboratories, enabling you to comply with government surveillance mandates while streamlining workflow. Harmonize your surveillance AST with the method of choice for global AMR programs, including:

- US National Antimicrobial Resistance Monitoring System (NARMS), coordinated via FDA/CVM, USDA and the CDC
- US CDC Antibiotic Resistance Lab Network
- EU Monitoring System of Zoonoses - EU Mandate 2013/652/EU

Sensititre NARMS Gram Negative CMV3AGNF Plate

Intended Use

Antimicrobial susceptibility plate for testing *Salmonella* and *Escherichia coli* isolates as part of The National Antimicrobial Resistance Monitoring System (NARMS) program in the United States

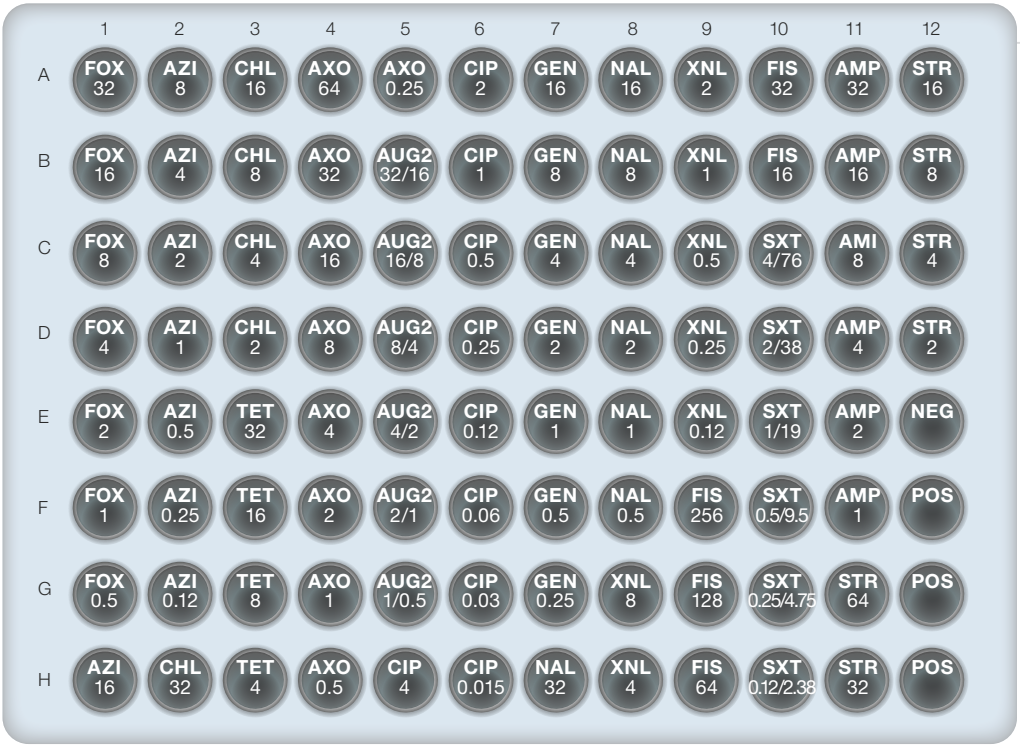
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

FOX	Cefoxitin
AZI	Azithromycin
CHL	Chloramphenicol
TET	Tetracycline
AXO	Ceftriaxone
AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
CIP	Ciprofloxacin
GEN	Gentamicin
NAL	Nalidixic Acid
XNL	Ceftiofur
FIS	Sulfisoxazole
SXT	Trimethoprim / Sulfamethoxazole
AMP	Ampicillin
STR	Streptomycin
NEG	Negative control
POS	Positive control

†Not available in Europe.

Sensititre NARMS Gram Negative CMV4AGNF Plate

Intended Use

Antimicrobial susceptibility plate for testing *Salmonella* and *Escherichia coli* isolates as part of The National Antimicrobial Resistance Monitoring System (NARMS) program in the United States

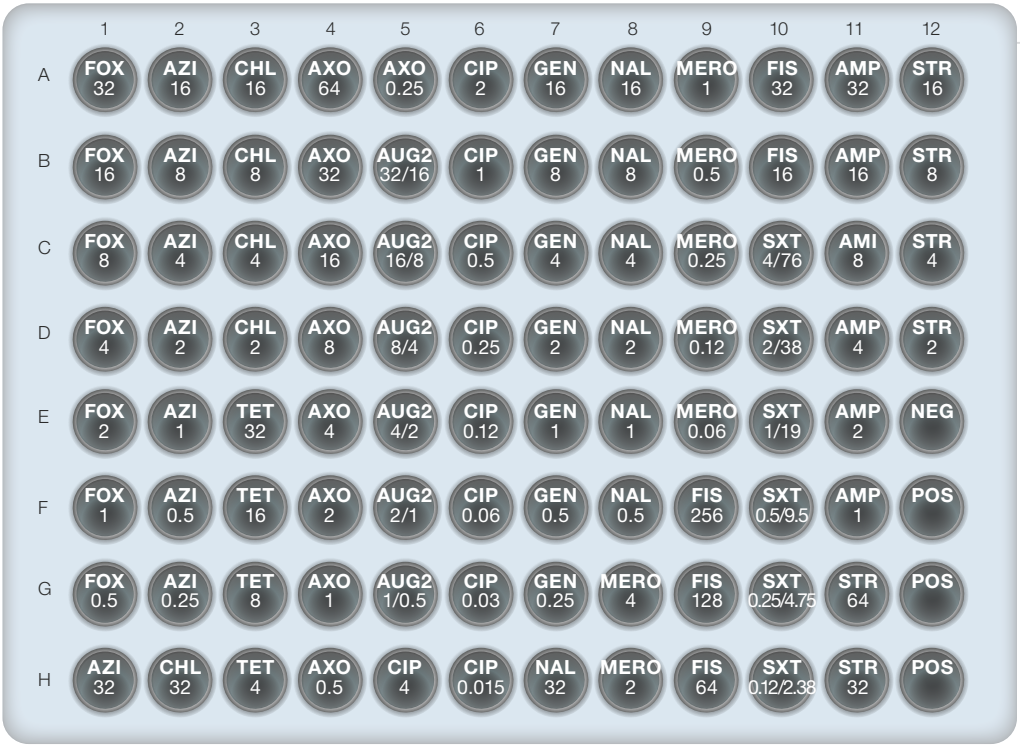
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18 hours

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AUG2	Amoxicillin / Clavulanic acid 2:1 ratio
AMP	Ampicillin
AZI	Azithromycin
FOX	Cefoxitin
AXO	Ceftriaxone
CHL	Chloramphenicol
CIP	Ciprofloxacin
GEN	Gentamicin
MERO	Meropenem
NAL	Nalidixic Acid
STR	Streptomycin
FIS	Sulfisoxazole
TET	Tetracycline
SXT	Trimethoprim / Sulfamethoxazole
NEG	Negative control
POS	Positive control

†Not available in Europe.

Sensititre NARMS Gram Positive CMV3AGPF Plate

Intended Use

Antimicrobial susceptibility plate for testing *Enterococcus* isolates as part of the National Antimicrobial Resistance Monitoring System (NARMS) program in the United States

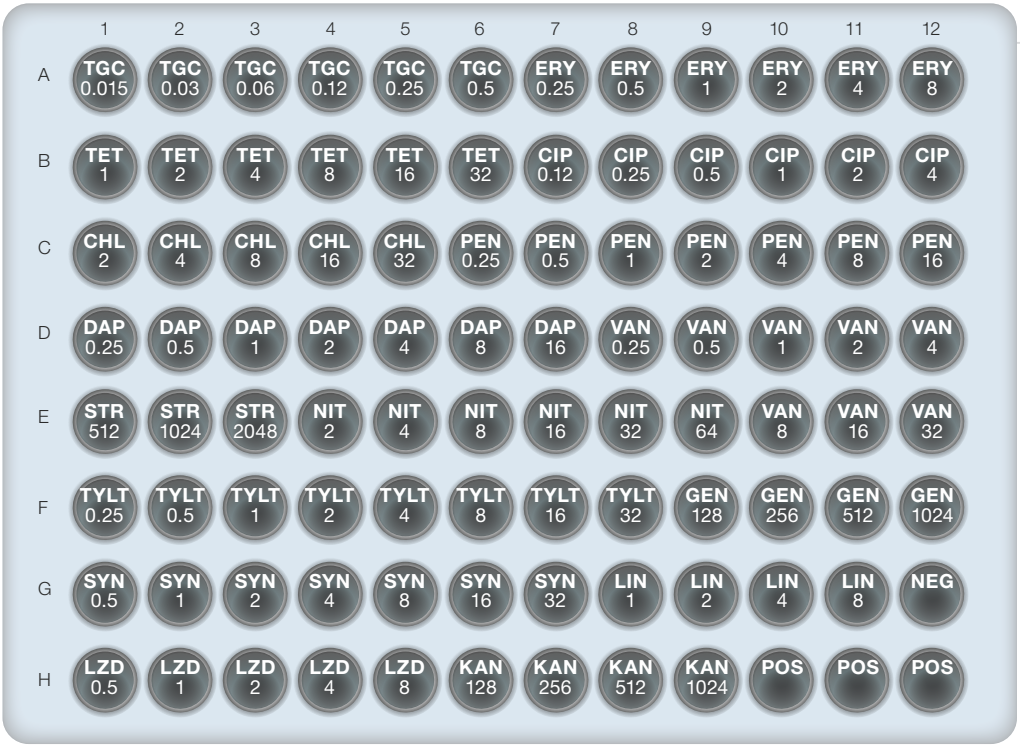
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Worldwide]	**Autoread or Manual** Sensititre ARIS 2X† (V3090) Sensititre OptiRead (V3030) Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator or Sensititre ARIS 2X† for 18 hours*

Automatically read with ARIS 2X† or OptiRead or manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

TGC	Tigecycline
TET	Tetracycline
CHL	Chloramphenicol
DAP	Daptomycin
STR	Streptomycin
TYLT	Tylosin tartarte
SYN	Quinupristin / Dalfoprisitn
LZD	Linezolid
NIT	Nitrofurantoin
PEN	Penicillin
KAN	Kanamycin
ERY	Erythromycin
CIP	Ciprofloxacin
VAN	Vancomycin
LIN	Linocomycin
GEN	Gentamicin
NEG	Negative control
POS	Positive control

*Linezolid and nitrofurantoin should be read manually at 18 hours and vancomycin should be read manually at 24 hours. †Not available in Europe.

Sensititre NARMS Gram Positive CMV4AGP Plate

Intended Use

Antimicrobial susceptibility plate for testing *Enterococcus* isolates as part of the National Antimicrobial Resistance Monitoring System (NARMS) program in the United States

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator for 18 hours*

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	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	TET 1	TET 2	TET 4	TET 8	TET 16	TET 32
B	DAP 0.25	DAP 0.5	DAP 1	DAP 2	DAP 4	DAP 8	DAP 16	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8
C	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	ERY 8	STR 64	STR 128	STR 256	STR 512	STR 1024	STR 2048
D	GEN 16	GEN 32	GEN 64	GEN 128	GEN 256	GEN 512	GEN 1024	NIT 2	NIT 4	NIT 8	NIT 16	NIT 32
E	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8	CIP 16	NIT 64	NIT 128	NIT 256	NIT 512
F	VAN 0.25	VAN 0.5	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	VAN 32	AVL 4	AVL 8	AVL 16	AVL 32
G	AMP 0.25	AMP 0.5	AMP 1	AMP 2	SYN 0.5	SYN 1	SYN 2	SYN 4	SYN 8	SYN 16	SYN 32	POS
H	AMP 4	AMP 8	AMP 16	AMP 32	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	CHL 64	POS	NEG

Antimicrobics

TGC	Tigecycline
DAP	Daptomycin
ERY	Erythromycin
GEN	Gentamicin
CIP	Ciprofloxacin
VAN	Vancomycin
AMP	Ampicillin
SYN	Quinupristin / Dalfopristin
CHL	Chloramphenicol
TET	Tetracycline
STR	Streptomycin
LZD	Linezolid
NIT	Nitrofurantoin
AVL	Avilamycin
NEG	Negative control
POS	Positive control

*Linezolid and nitrofurantoin should be read manually at 18 hours and vancomycin should be read manually at 24 hours.

Sensititre EU Surveillance Campylobacter EUCAMP2 Plate

Intended Use

Antimicrobial susceptibility plate for testing *Campylobacter* isolates as part of a surveillance program

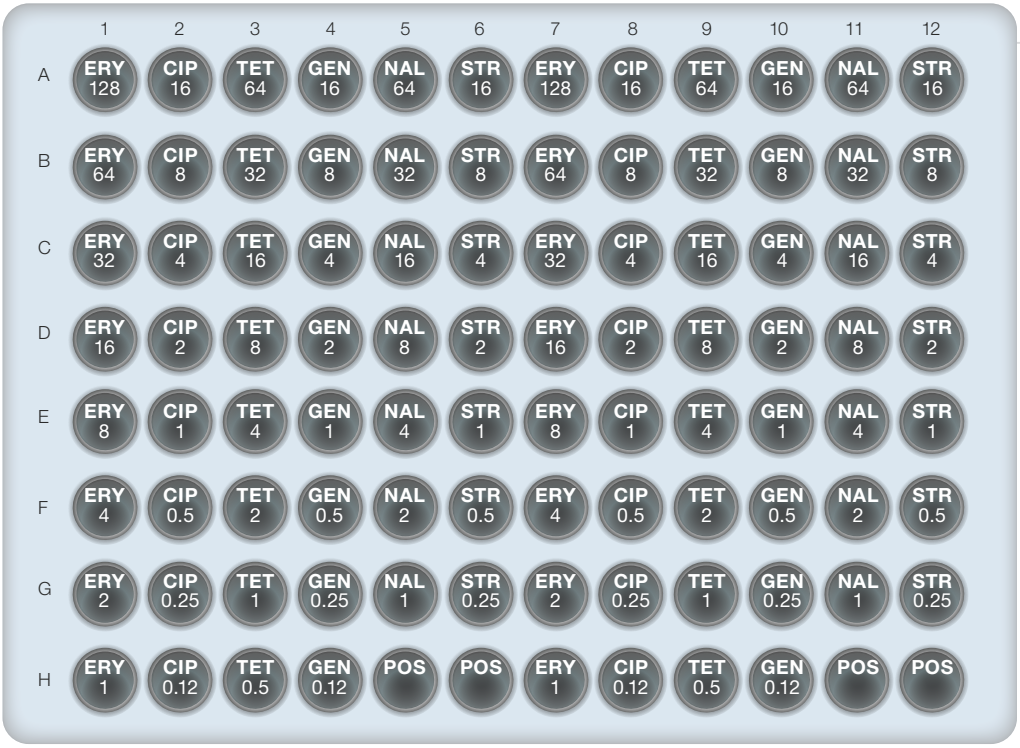
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Mueller Hinton Broth 5 ml** (T346205)	**Sensititre Mueller Hinton Broth w/Lysed Horse Blood** (CP112-10)	**Surveillance** [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into Sensititre MHB 5 ml to reach a 0.5 McFarland Standard, Mix 100 µl into Sensititre MHB w/ LHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate in a microaerophillic atmosphere* at 35-37ºC for 48 hours or at 42ºC for 24 hours**

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

ERY	Erythromycin
CIP	Ciprofloxacin
TET	Tetracycline
GEN	Gentamicin
NAL	Nalidixic Acid
STR	Streptomycin
POS	Positive control

*85% N_2, 10% CO_2, 5% O_2. **Do not stack plates more than four high.

Sensititre Campylobacter CAMPY Plate

Intended Use

Antimicrobial susceptibility plate for testing *Campylobacter* isolates as part of a surveillance program

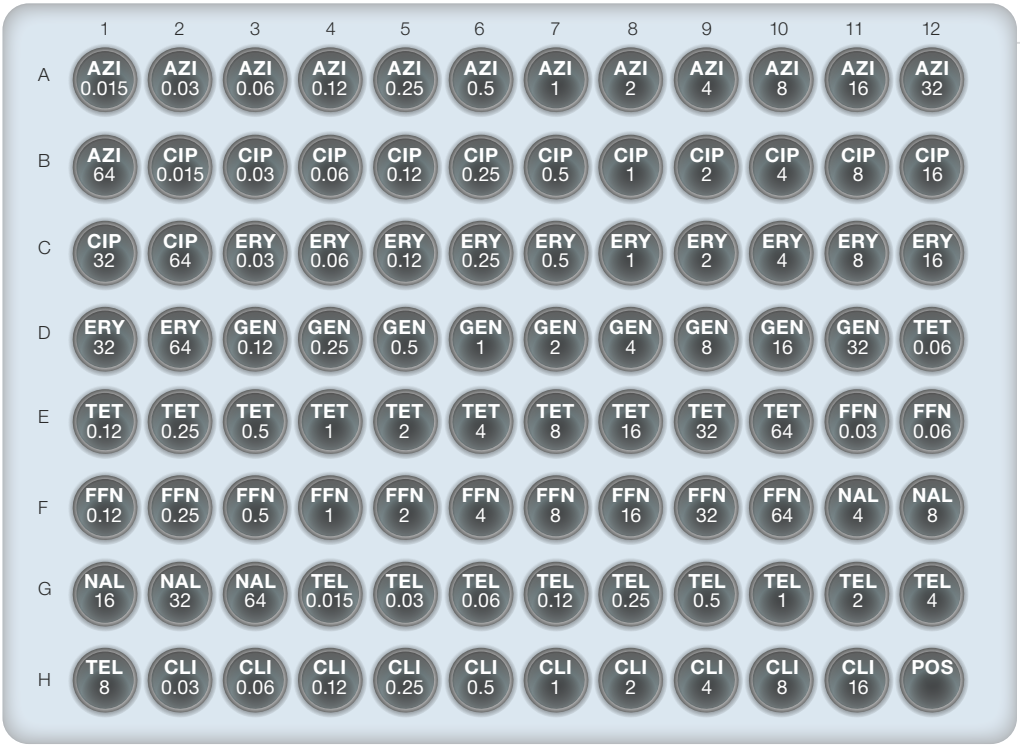
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Mueller Hinton Broth 5 ml** (T346205)	**Sensititre Mueller Hinton Broth w/Lysed Horse Blood** (CP112-10)	**Surveillance** [Worldwide]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into Sensititre MHB 5 ml to reach a 0.5 McFarland Standard, Mix 100 µl into Sensititre MHB w/ LHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate in a microaerophillic atmosphere* at 35-37ºC for 48 hours or at 42ºC for 24 hours**

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

AZI	Azithromycin
CIP	Ciprofloxacin
ERY	Erythromycin
TET	Tetracycline
FFN	Florfenicol
NAL	Nalidixic Acid
TEL	Telithromycin
CLI	Clindamycin
GEN	Gentamicin
POS	Positive control

*85% N_2, 10% CO_2, 5% O_2. **Do not stack plates more than four high.

Sensititre EU Surveillance Staphylococcus EUST Plate

Intended Use

Antimicrobial susceptibility plate for testing *Staphylococcus* isolates as part of a surveillance program

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator for 18-24 hours*

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	CLI 0.12	CLI 0.25	CLI 0.5	CLI 1	CLI 2	CLI 4	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	ERY 8
B	TET 0.5	TET 1	TET 2	TET 4	TET 8	TET 16	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8
C	RIF 0.016	RIF 0.03	RIF 0.06	RIF 0.12	RIF 0.25	RIF 0.5	FOX 0.5	FOX 1	FOX 2	FOX 4	FOX 8	FOX 16
D	STR 4	STR 8	STR 16	STR 32	TIA 0.5	TIA 1	TIA 2	TIA 4	LZD 1	LZD 2	LZD 4	LZD 8
E	FUS 0.5	FUS 1	FUS 2	FUS 4	SYN 0.5	SYN 1	SYN 2	SYN 4	MUP 0.5	MUP 1	MUP 2	MUP 256
F	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	VAN 1	VAN 2	VAN 4	VAN 8	VAN 16	SMX 64	SMX 128
G	CHL 4	CHL 8	CHL 16	CHL 32	CHL 64	GEN 1	GEN 2	GEN 4	GEN 8	GEN 16	SMX 256	SMX 512
H	KAN 4	KAN 8	KAN 16	KAN 32	KAN 64	TMP 2	TMP 4	TMP 8	TMP 16	TMP 32	NEG	POS

Antimicrobics

CLI	Clindamycin
TET	Tetracycline
RIF	Rifampin
STR	Streptomycin
FUS	Fusidate
PEN	Penicillin
CHL	Chloramphenicol
KAN	Kanamycin
TIA	Tiamulin
SYN	Quinupristin / Dalfopristin
VAN	Vancomycin
GEN	Gentamicin
TMP	Trimethoprim
ERY	Erythromycin
CIP	Ciprofloxacin
FOX	Cefoxitin
LZD	Linezolid
MUP	Mupirocin
SMX	Sulfamethoxazole
NEG	Negative control
POS	Positive control

*Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp.

Sensititre EU Surveillance Enterococcus EUVENC Plate

Intended Use

Antimicrobial susceptibility plate for testing *Enterococcus* isolates as part of a surveillance program

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 100 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator for 18-24 hours*

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	VAN 128	TEI 64	SYN 64	TET 128	DAP 32	CIP 16	ERY 128	TGC 4	LZD 64	GEN 1024	AMP 64	CHL 128
B	VAN 64	TEI 32	SYN 32	TET 64	DAP 16	CIP 8	ERY 64	TGC 2	LZD 32	GEN 512	AMP 32	CHL 64
C	VAN 32	TEI 16	SYN 16	TET 32	DAP 8	CIP 4	ERY 32	TGC 1	LZD 16	GEN 256	AMP 16	CHL 32
D	VAN 16	TEI 8	SYN 8	TET 16	DAP 4	CIP 2	ERY 16	TGC 0.5	LZD 8	GEN 128	AMP 8	CHL 16
E	VAN 8	TEI 4	SYN 4	TET 8	DAP 2	CIP 1	ERY 8	TGC 0.25	LZD 4	GEN 64	AMP 4	CHL 8
F	VAN 4	TEI 2	SYN 2	TET 4	DAP 1	CIP 0.5	ERY 4	TGC 0.12	LZD 2	GEN 32	AMP 2	CHL 4
G	VAN 2	TEI 1	SYN 1	TET 2	DAP 0.5	CIP 0.25	ERY 2	TGC 0.06	LZD 1	GEN 16	AMP 1	POS
H	VAN 1	TEI 0.5	SYN 0.5	TET 1	DAP 0.25	CIP 0.12	ERY 1	TGC 0.03	LZD 0.5	GEN 8	AMP 0.5	POS

Antimicrobics

VAN	Vancomycin
TEI	Teicoplanin
SYN	Quinupristin / Dalfopristin
TET	Tetracycline
DAP	Daptomycin
CIP	Ciprofloxacin
ERY	Erythromycin
TGC	Tigecycline
LZD	Linezolid
GEN	Gentamicin
AMP	Ampicillin
CHL	Chloramphenicol
POS	Positive control

*Incubate for 24 hours to ensure detection of oxacillin-resistant *Staphylococcus* and vancomycin-resistant *Enterococcus* spp.

Sensititre EU Surveillance Salmonella/E. coli EUVSEC Plate

Intended Use

Antimicrobial susceptibility plate for testing *Salmonella* and *Escheria coli* isolates as part of a surveillance program

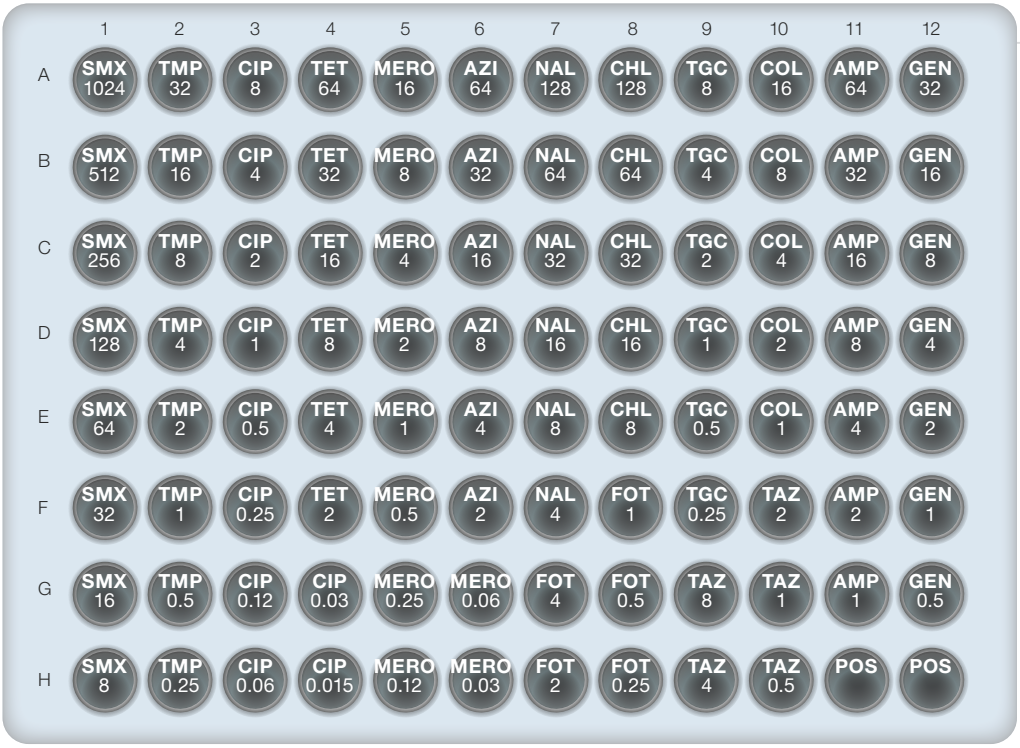
Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator for 18 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox



Antimicrobics

SMX	Sulfamethoxazole
TMP	Trimethoprim
CIP	Ciprofloxacin
TET	Tetracycline
MERO	Meropenem
AZI	Azithromycin
NAL	Nalidixic Acid
FOT	Cefotaxime
CHL	Chloramphenicol
TGC	Tigecycline
TAZ	Ceftazidime
COL	Colistin
AMP	Ampicillin
GEN	Gentamicin
POS	Positive control

Sensititre EU Surveillance ESBL EUVSEC2 Plate

Intended Use

Antimicrobial susceptibility plate for testing ESBL isolates as part of a surveillance program

Inoculum Preparation	Broth Type	Use, Methodology and Region	Read Method
0.5 McFarland Standard (E1041) **Sensititre Sterile Water** (T3339)	**Sensititre Mueller Hinton Broth** (T3462)	**Surveillance** [Europe]	**Manual** Sensititre Vizion (V2021) Sensititre Manual Viewbox (V4007)

Put 3-5 colonies into H_20 to measure a 0.5 McFarland using the Nephelometer, Mix 10 µl of suspension into MHB

Inoculate plate with 50 µl volume per well of the suspension using the Sensititre AIM or Multi-Channel Pipette

Seal Sensititre plate and incubate at 34-36°C in a non-CO_2 incubator for 18 hours

Manually read with Sensititre Vizion or Sensititre Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	FOX 0.5	FOX 1	FOX 2	FOX 4	FOX 8	FOX 16	FOX 32	FOX 64	FOT 0.25	FOT 0.5	FOT 1	TRM 128
B	ETP 0.015	ETP 0.03	ETP 0.06	ETP 0.12	ETP 0.25	ETP 0.5	ETP 1	ETP 2	FOT 2	FOT 4	FOT 8	TRM 64
C	IMI 0.12	IMI 0.25	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMI 16	FOT 16	FOT 32	FOT 64	TRM 32
D	MERO 0.03	MERO 0.06	MERO 0.12	MERO 0.25	MERO 0.5	MERO 1	MERO 2	MERO 4	MERO 8	MERO 16	TRM 2	TRM 16
E	TAZ 0.25	TAZ 0.5	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16	TAZ 32	TAZ 64	TAZ 128	TRM 1	TRM 8
F	FEP 0.06	FEP 0.12	FEP 0.25	FEP 0.5	FEP 1	FEP 2	FEP 4	FEP 8	FEP 16	FEP 32	TRM 0.5	TRM 4
G	F/C 0.06/4	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	POS
H	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

Antimicrobics

FOX	Cefoxitin
ETP	Ertapenem
IMI	Imipenem
MERO	Meropenem
TAZ	Ceftazidime
FEP	Cefepime
F/C	Cefotaxime / Clavulanic acid
T/C	Ceftazidime / Clavulanic acid
FOT	Cefotaxime
TRM	Temocillin
POS	Positive control

QUALITY CONTROL

Perform Sensititre quality control testing with the most comprehensive range of microorganism strains recommended by CLSI and EUCAST.

Thermo Scientific™ Culti-Loops™ enable quick and safe preparation of ATCC® cultures for QC testing. They are ready-to-use bacteriological loops containing gel-stabilised micro-organisms. Each loop is individually packaged in a foil pouch and each pack contains 5 loops.

Below is a list of Culti-Loops containing the recommended ATCC® Strains for the EUCAST and CLSI test methods:

Culti-Loops Part Number	Description	ATCC® Strain	EUCAST		CLSI	
			Routine Testing	Extended Testing	Routine Testing	Extended Testing
R4601250	*Bacteroides fragilis*	25285™			✓	
R4601260	*Bacteroides thetaiotaomicron*	29741™			✓	
R4609498	*Campylobacter jejuni subsp. Jejuni*	33560™	✓			
R4609452	*Clostridium Difficiles*	700057™			✓	
R4601951	*Eggerthella lenta*	43055™			✓	
R4607030	*Enterococcus faecalis*	29212™	✓		✓	✓
R4601996	*Enterococcus faecalis*	51299™	✓		✓	
R4607050	*Escherichia coli*	25922™	✓		✓	
R4601971	*Escherichia coli*	35218™			✓	
R4603810	*Haemophilus influenza*	10211™				✓
R4603830	*Haemophilus influenza*	49247™		✓	✓	
R4603806	*Haemophilus influenza*	49766™	✓		✓	
R4603074	*Klebsiella pneumoniae*	700603™		✓	✓	
R4609384	*Klebsiella pneumoniae*	BAA-1705™				✓
R4609385	*Klebsiella pneumoniae*	BAA-1706™				✓
R4609006	*Neisseria gonorrhoeae*	49226™			✓	
R4607060	*Pseudomonas aeruginosa*	27853™	✓		✓	
R4609389	*Staphylococcus aureus*	BAA-1708™			✓	
R4607010	*Staphylococcus aureus subsp. aureus*	25923™			✓	
R4607011	*Staphylococcus aureus subsp. aureus*	29213™	✓		✓	✓
R4609022	*Staphylococcus aureus subsp. aureus*	43300™			✓	
R4606512	*Staphylococcus aureus subsp. aureus*	BAA-976™				✓
R4606513	*Staphylococcus aureus subsp. aureus*	BAA-977™				✓
R4609015	*Streptococcus pneumoniae*	49619™	✓		✓	

The ATCC Licensed Derivative Emblem, the ATCC Licensed Derivative word mark and the ATCC catalog marks are trademarks of ATCC. Remel Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures. The identity, purity, and authenticity of the Licensed Products are exclusively the responsibility of Remel Inc., and not ATCC.

The European Committee on Antimicrobial Susceptibility Testing. Routine and extended internal quality control for MIC determination and disk diffusion as recommended by EUCAST. Version 8.0, 2018. www.eucast.org

Clinical and Laboratory Standards Institute (CLSI). *Performance Standards for Antimicrobial Susceptibility Testing.* 27th ed. CLSI supplement M100. Clinical and Laboratory Standards Institute, 950 West Valley Road, Suit 2500, Wayne, Pennsylvania 19087 USA, 2017

CUSTOM CAPABILITIES

Though the size and workload demands of microbiology laboratories vary, a challenge for each remains in expediting susceptibility testing to facilitate more informed treatment decisions, and improve patient care.

The Sensititre System's custom plate capabilities enable you to design a plate format tailored to your formulary for both clinical and veterinary applications.

Let us help you identify the custom AST solution that fits the needs of your lab.

Greater flexibility	Over 240 antimicrobials available for clinical and veterinary applications; available as frozen or dried format
Performance	Superior reproducibility for accurate results the first time; consolidate testing onto one format to reduce unnecessary testing protocols
Custom design	Easily adapt formulary requirements and prescription protocols to monitor local resistance
Scalable	Choose from a variety of flexible instrumentation options to streamline your workflow and meet your specific workload and budget requirements

It's not enough to have access to one of the widest, most up-to-date selections of antimicrobials if you can't specifically address the needs of your formulary or patient population. With dilution ranges of your choice and the ability to update formats conveniently, Sensititre Custom Plate capabilities allow you to create the ultimate test program with the flexibility to address the challenges of each individual microbiology laboratory.

Offering tailor-made AST with the latest antimicrobials, our custom capabilities lead to relevant results that are based on real-time resistance trends and local epidemiology, allowing you to improve clinical outcomes and effectively manage resistance in your institution.

Four simple steps to designing your custom plate

Our team of microbiology experts will guide you through the Sensititre custom plate process from design to delivery.

Design

Choose antimicrobials and dilution ranges tailored to your formulary requirements and local patient or animal populations

Approval

Custom plate designs are rigorously reviewed and approved based on quality and regulatory standards ensuring your plate meets your exact specifications and industry standard guidelines

Order

Following approval and receipt of a purchase order, your Sensititre custom plates will be scheduled for manufacture. Contact us for current lead times*

Delivery

Every custom plate comes complete with the required Thermo Scientific™ Sensititre™ SWIN™ Software script specific to your design to ensure results are reported with correct interpretive criteria. Plates may also be read manually subject to configuration

*Minimum order quantities apply

CUSTOMER SERVICE AND INSTALLATION

Thermo Fisher Scientific is committed to providing industry-leading customer service. An important part of this service is provided by our dedicated technical support experts. Our team of friendly, experienced microbiologists and engineers are available to give product advice or to help with any technical questions or issues you may have, in your local language.

We provide an end-to-end solution for instrument installation, support and servicing through a network of fully trained Field Service Engineers. And, we can help you set your laboratory up for success and ensure maximum productivity with a Thermo Scientific™ Extended Service Agreement.

Thermo Fisher Scientific is equipped to deliver a variety of global services to keep you up and running. From preventative maintenance and corrective services to continued application assistance provided by technical scientists, get tailored solutions and exceptional support from the experts in microbiology.

When you choose Thermo Scientific products for your microbiology needs, consider it the start of a valuable partnership. Whether you need assistance with protocols, product transitions or troubleshooting, our team of experts is ready to help.

For more information on how to find solutions perfectly matched for your AST program, please contact your local Thermo Fisher Scientific Microbiology representative or visit us at thermofisher.com/AST

US

Application	Plate
Human	GN4F
	GN6F
	GNX2F
	GNX3F
	DELAXN
	MEROVAB
	GPALL1F
	GPALL3F
	FDANDPF
	FDANDSF
	STP6F
	HPB1
	YO2IVD
	YO3IVD
	YO9
	MYCOTB
	RAPMYCO
	SLOMYCO
Vet	AVIAN1F
	BOPO6F
	BOPO7F
	COMPGP1F
	COMPGN1F
	EQUIN1F
	CMV1AMAF
	CMV1BURF
	JOEYE2
Surveillance	CMV3AGNF
	CMV4AGNF
	CMV3AGPF
	CMV4AGP

EU

Application	Plate
Human	GN4F
	GN6F
	GNX2F
	GNX3F
	DKMGN
	EURGNCOL
	GPALL1F
	GPALL3F
	EUSTAPF
	STP6F
	HPB1
	YO2IVD
	YO3IVD
	YO10
	MYCOTBI
	RAPMYCOI
	SLOMYCOI
Vet	AVIAN1F
	BOPO6F
	COMPGP1F
	COMPGN1F
	EQUIN1F
	CMV1AMAF
	CMV1BURF
	JOEYE2
Surveillance	CMV3AGNF
	CMV4AGNF
	CMV3AGPF
	CMV4AGP
	EUCAMP2
	EUST
	EUVENC
	EUVSEC
	EUVSEC2

ROW

Application	Plate
Human	GN4F
	GN6F
	GNX2F
	GNX3F
	GPALL1F
	STP6F
	HPB1
	YO2IVD
	YO3IVD
	YO10
	MYCOTBI
	RAPMYCOI
	SLOMYCOI
Vet	AVIAN1F
	BOPO6F
	COMPGP1F
	COMPGN1F
	EQUIN1F
	CMV1AMAF
	CMV1BURF
	JOEYE2
Surveillance	CMV3AGNF
	CMV4AGNF
	CMV3AGPF
	CMV4AGP

Find out more at **thermofisher.com/AST**

©2018 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.

ThermoFisher SCIENTIFIC

Contact Information:
microbiology@thermofisher.com
USA +800 255 6730
International +44(0) 1256 841144

LT2379A
991-345
November 2018