



Thermo Scientific™ Sensititre™ System

For identification & antimicrobial susceptibility testing

Facilitate optimal patient outcomes and respond more effectively to emerging resistance

Thermo Scientific™ Sensititre™ System

With a proven history of AST accuracy, the Sensititre™ System delivers definitive MIC results for both commonly prescribed and novel antimicrobials.

While other automated AST systems may rely on generating MIC values based on extrapolated data calculated from historical data sets, the Sensititre™ System utilizes gold standard-level MIC accuracy, providing superior quality and reproducibility for definitive results the first time.

More antimicrobials, more testing options

The Sensititre™ System combines manual, semi-automated, and fully automated testing on a single AST platform using broth microdilution (BMD) - the gold standard for AST accuracy. With access to over 300 antimicrobials, including more than 40 veterinary-specific antimicrobials, as well as offering the latest-to-market on standard and custom MIC plates,

the Sensititre™ System allows you to consolidate confirmatory tests and can offer plates that meet US FDA, CLSI, and/or EUCAST breakpoint requirements. Moreover, 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:

- U.S. National Antimicrobial Resistance Monitoring System (NARMS), coordinated via FDA/CVM, USDA, and the CDC
- U.S. CDC Antibiotic Resistance Lab Network
- EU Monitoring System of Zoonoses

Powerful, comprehensive solutions for common and complex pathogens

Antimicrobial resistance (AMR) has reached global health crisis levels. This, combined with a lack of comprehensive AMR data to react to AMR trends, poses challenges to many microbiology labs, especially post-COVID-19. Robust antimicrobial susceptibility testing (AST) is critical in the fight against AMR. It aids in optimizing treatment for critically ill patients, supporting enhanced patient outcomes, stewardship initiatives, and worldwide AMR surveillance in human, animal, and environmental sectors.

It is also instrumental in safeguarding our existing antimicrobials against escalating resistance.

Empowering your expertise: from test to results

From manual disc diffusion to automated instrumentation with definitive minimum inhibitory concentration (MIC) results, our Thermo Scientific AST portfolio can be used for a wide array of applications, from common, everyday AST to specialty applications such as yeast and mycobacteria, with gold standard-level results¹. Our AST solutions can help clinicians, veterinarians, food scientists, and public health officials determine pathogen antimicrobial susceptibility patterns, while supporting global and regional antimicrobial stewardship.

Consolidate all AST on a single platform

Meeting the unique testing demands of all laboratory sizes and volumes, choose from a variety of manual and automated options

Select Plate

Sensititre™ Standard AST Plates:

Choose from our wide selection of standard plates to suit your application, including Gram-positive, Gram-negative, fastidious, mycobacteria, and yeast formats, as well as veterinary and surveillance testing formats.



Sensititre™ Custom AST Plates:

Design your own plate from our selection of over 300 antimicrobials and over 40 veterinary-specific antimicrobials. We offer one of the widest, most up-to-date selections of antimicrobials, available in wide dilution ranges.



Inoculum

Thermo Scientific™ Sensititre™

Nephelometer:

A simple solution for inoculum density measurements and standardized inoculation preparation.



Thermo Scientific™ Sensititre™ 8-Channel Programmable Pipette:

Quickly and accurately inoculate microtitre plates, with enhanced ergonomics.



Thermo Scientific™ Sensititre™ AIM™ Automated Inoculation Delivery System:

Automatically doses Sensititre™ plates and eliminates skipped wells and costly repeat tests.



Incubate

Thermo Scientific™ Sensititre™ ARIS HiQ™ System:

Individually incubates 100 MIC, breakpoint, or identification plates, ensuring optimal growth conditions and eliminating offline or supplementary testing.



Thermo Scientific™ Sensititre™ OptiRead™ Automated Fluorometric Plate Reading System:

Utilizes fluorescence detection technology to automate Sensititre™ plate reading, delivering fast, accurate results, and directly linking to the Sensititre™ SWIN Software System to automate interpretation and result reporting.



Thermo Scientific™ Sensititre™ Vizion™ Digital MIC Viewing System:

Captures and stores easy-to-read digital plate images for optimized manual reading and traceability and connects to the Sensititre™ SWIN Software System for automated interpretation and reporting of results.



Thermo Scientific™ Sensititre™ Manual Viewer:

Perform simple visual reads of your 96-well microtitre plates with our mirrored viewbox.



Interpret

Thermo Scientific™ Sensititre™ SWIN™ Software System:

Consolidates Sensititre™ results from manual and automated reading options on a single software platform.

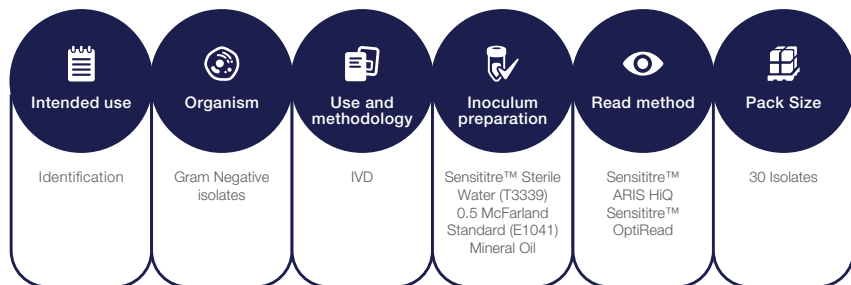


Sensititre™ SWIN Epidemiology Module:

Provides comprehensive reporting of AST results to help detect, monitor, and track local antibiotic resistance patterns to facilitate decision-making and support antimicrobial stewardship programs.



Sensititre™ GNID Plate



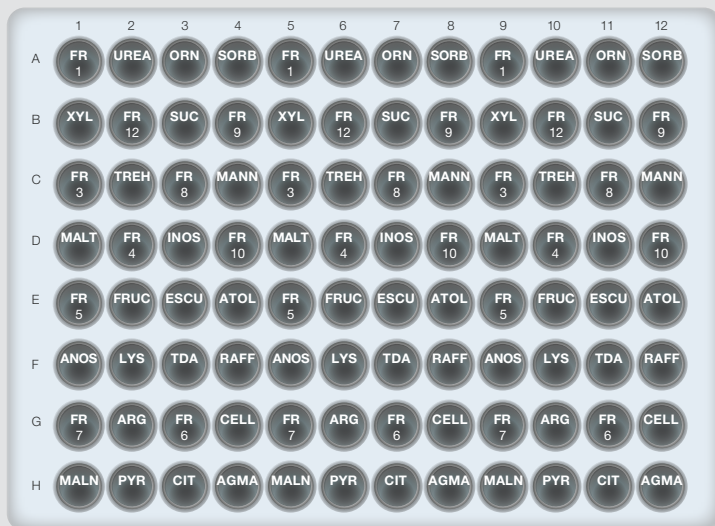
Put 3-5 colonies into H₂O to measure a 0.5 McFarland using the Nephelometer

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

Add mineral oil to wells 1A, 2A, 5A, 6A, 9A and 10A

Seal Sensititre™ plate and incubate at 34-36°C in a non-CO₂ incubator or Sensititre™ ARIS HiQ for 5-18 hours

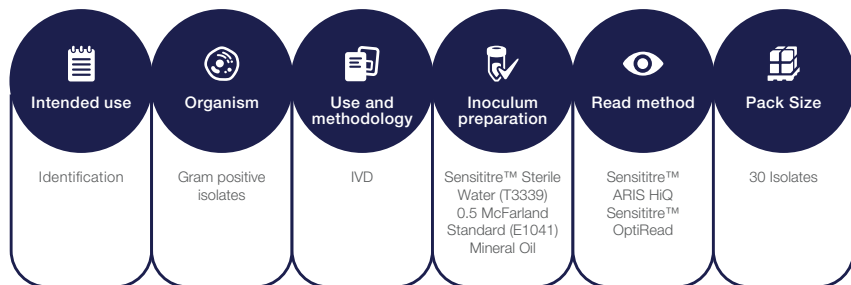
Read automatically with ARIS HiQ or OptiRead



Antimicrobics

FR1	Lysine AMC
UREA	Urea
ORN	Ornithine
SORB	SORB Sorbitol
XYL	Xylose
FR12	2-Acetamido-2-deoxyglucoside MU + α-L-Arabinoside MU
SUC	Sucrose
FR9	β-D-glucoside MU
FR3	Phosphate MU
TREH	Trehalose
FR8	bis-Phosphate MU
MANN	Mannitol
MALT	Maltose
FR4	α-D-galactoside MU
INOS	Inositol
FR10	β-D-glucoside MU
FR5	Proline AMC
FRUC	Fructose
ESCU	Esculin
ATOL	Arabitol
ANOS	Arabinose
LYS	Lysine
TDA	TDA
RAFF	Raffinose
FR7	γ-Glutamine MU
ARG	Arginine
FR6	α-D-galactoside MU
CELL	Cellobiose
MALN	Malonate
PYR	Pyruvate
CIT	Citrate

Sensititre™ GPID Plate



Put 3-5 colonies into H₂O to measure a 0.5 McFarland using the Nephelometer

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

Add mineral oil to wells 1A, 5A, and 9A

Seal Sensititre™ plate and incubate at 34-36°C in a non-CO₂ incubator or Sensititre™ ARIS HiQ for 18-24 hours

Read automatically with ARIS HiQ or OptiRead

	1	2	3	4	5	6	7	8	9	10	11	12
A	UREA	ESCU	ARG	FR 13	UREA	ESCU	ARG	FR 13	UREA	ESCU	ARG	FR 13
B	FR 16	RHAM	FR 15	MANN	FR 16	RHAM	FR 15	MANN	FR 16	RHAM	FR 15	MANN
C	FR 14	TREH	FR 17	MALT	FR 14	TREH	FR 17	MALT	FR 14	TREH	FR 17	MALT
D	FR 18	FR 19	FR 20	FR 21	FR 18	FR 19	FR 20	FR 21	FR 18	FR 19	FR 20	FR 21
E	FR 22	FR 23	GLYC	FR 24	FR 22	FR 23	GLYC	FR 24	FR 22	FR 23	GLYC	FR 24
F	FR 25	GLUC	SUC	FR 26	FR 25	GLUC	SUC	FR 26	FR 25	GLUC	SUC	FR 26
G	FR 27	B-MG	FR 28	FR 29	FR 27	B-MG	FR 28	FR 29	FR 27	B-MG	FR 28	FR 29
H	SORB	FR 30	FR 31	FR 32	SORB	FR 30	FR 31	FR 32	SORB	FR 30	FR 31	FR 32

Antimicrobics

UREA	Urea
ESCU	Esculin
ARG	Arginine
FR13	4MUβ- D - Galactopyranoside
FR16	4MUβ- D - Ribofuranoside
RHAM	Rhamnose
FR15	Alanine 7AMC
MANN	Mannitol
FR14	4MUβ- D - Glucopyranoside
TREH	Trehalose
FR17	D - Alanine 7AMC
MALT	Maltose
FR18	4MUβ- D - Mannopyranoside
FR19	Ornithine 7AMC
FR20	Arginine 7AMC
FR21	4MUβ- D - Glucuronide
FR22	4MU α - D - Glucopyranoside
FR23	Cysteine 7AMC
GLYC	Glycerol
FR24	Threonine 7AMC
FR25	Methionine 7AMC
GLUC	Glucoside
SUC	Sucrose
FR26	Proline 7AMC
FR27	Serine 7AMC
B-MG	β-Methyl Glucoside
FR28	Citrulline 7AMC
FR29	Pyroglutamate 7AMC
SORB	Sorbitol
FR30	Tyrosine 7AMC
FR31	Leucine 7AMC
FR32	Valine 7AMC

Sensititre™ Gram Positive GPALL1F Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Non-fastidious Gram positive isolates	IVD-FDA (CLSI)	Sensititre™ Sterile Water (T3339) 0.5 McFarland Standard (E1041)	Sensititre™ Mueller Hinton Broth (T3462)	Sensititre™ ARIS HIQ Sensititre™ OptiRead Sensititre™ Vizion Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HIQ for 18-24 hours

Read automatically with ARIS HIQ or OptiRead, semi-automatically with Vizion or manually with Manual Viewbox

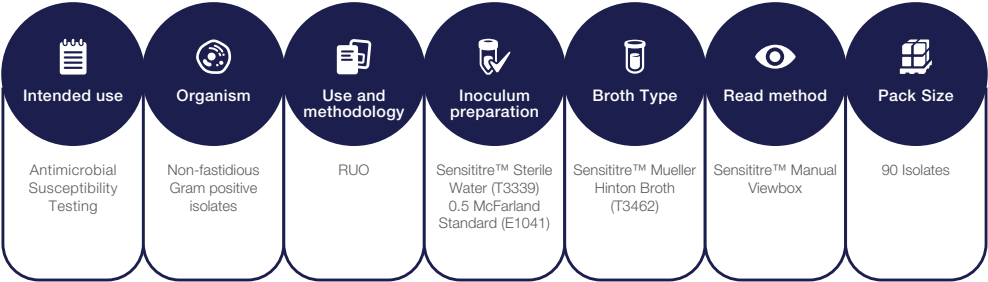
	1	2	3	4	5	6	7	8	9	10	11	12
A	CHL 2	CHL 4	CHL 8	CHL 16	ERY 0.25	ERY 0.5	ERY 1	ERY 2	ERY 4	CLI 0.5	CLI 1	CLI 2
B	DAP 0.5	DAP 1	DAP 2	DAP 4	OXA+ 0.25	OXA+ 0.5	OXA+ 1	OXA+ 2	OXA+ 4	STR 1000	DT1	DT2
C	GEN 2	GEN 4	GEN 8	GEN 16	AMP 0.12	AMP 0.25	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	FOXS 6
D	LZD 1	LZD 2	LZD 4	LZD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

Antimicrobics

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

*For aid in detection of resistance mechanisms for Gram positive organisms

Sensititre™ Vancomycin KRVANCO Plate

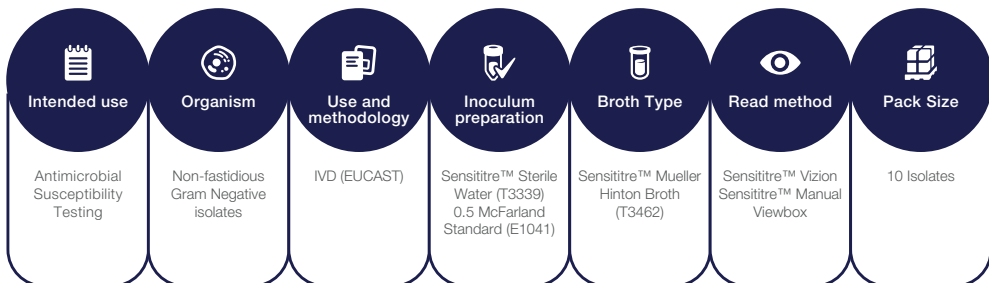


Antimicrobics

- NEG Negative Control
- VAN Vancomycin
- POS Positive Control

Sensititre™ Gram Negative DKMGN Plate

with Colistin, Ceftazidime/Avibactam and Ceftolozane/Tazobactam



Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HiQ for 18-24 hours

Read semi-automatically with Vizion or manually with Manual Viewbox

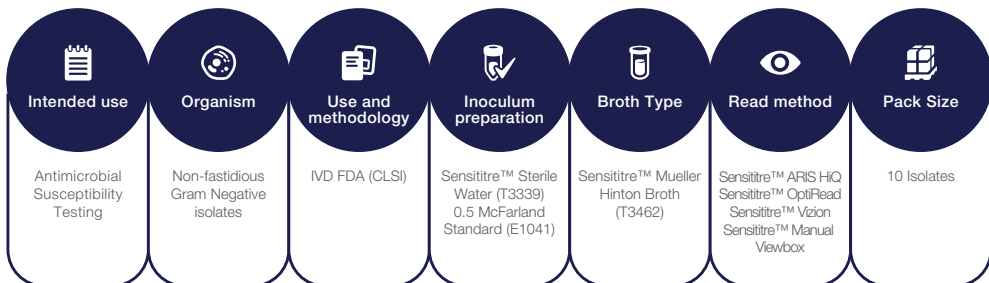
	1	2	3	4	5	6	7	8	9	10	11	12
A	MERO 0.12	MERO 0.25	MERO 0.5	MERO 1	MERO 2	MERO 4	MERO 8	MERO 16	AMI 4	AMI 8	AMI 16	AMI 32
B	GEN 0.5	GEN 1	GEN 2	GEN 4	GEN 8	AZT 0.5	AZT 1	AZT 2	AZT 4	AZT 8	AZT 16	AZT 32
C	CIP 0.06	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	P/T4 1/4	P/T4 2/4	P/T4 4/4	P/T4 8/4	P/T4 16/4	P/T4 32/4
D	AUGC 4/2	AUGC 8/2	AUGC 16/2	AUGC 32/2	AUGC 64/2	C/T 0.5/4	C/T 1/4	C/T 2/4	C/T 4/4	C/T 8/4	C/T 16/4	C/T 32/4
E	COL 0.25	COL 0.5	COL 1	COL 2	COL 4	COL 8	FOT 0.5	FOT 1	FOT 2	FOT 4	FOT 8	TOB 1
F	TGC 0.25	TGC 0.5	TGC 1	TGC 2	TGC 4	SXT 1/19	SXT 2/38	SXT 4/76	SXT 8/152	TOB 2	TOB 4	TOB 8
G	TAZ 0.5	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16	CZA 0.5/4	CZA 1/4	CZA 2/4	CZA 4/4	CZA 8/4	CZA 16/4
H	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMI 16	ETP 0.12	ETP 0.25	ETP 0.5	ETP 1	ETP 2	POS

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.

Sensititre™ Gram Negative GN4F Plate



Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HIQ for 18-24 hours

Read automatically with ARIS HIQ or OptiRead, semi-automatically with Vizion or manually with Manual Viewbox

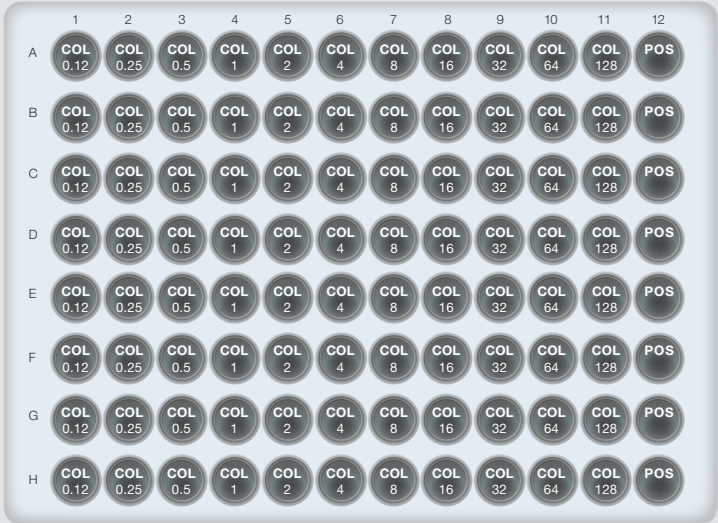
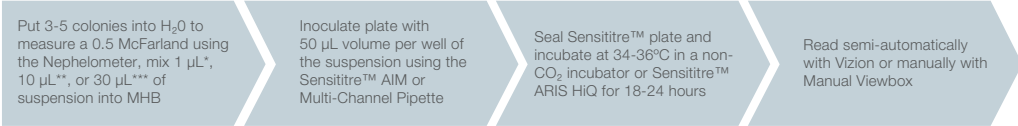
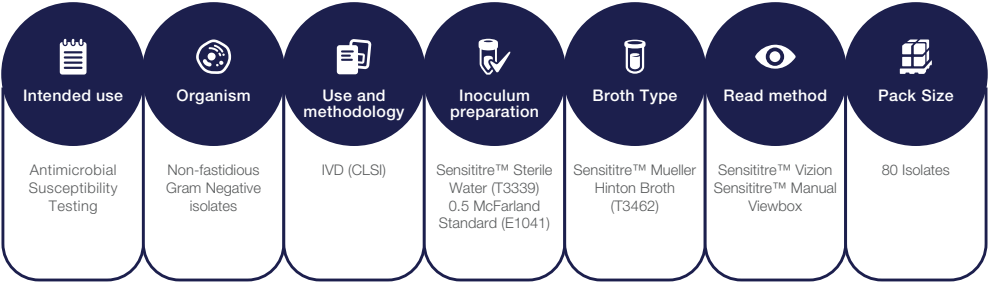
	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 8	TGC 1	LEVO 1	DOR 0.5	ETP 0.25	IMI 0.5	MERO 0.5	FAZ 1	TAZ 1	AZT 1	FEP 4	AXO 0.5
B	AMI 16	TGC 2	LEVO 2	DOR 1	ETP 0.5	IMI 1	MERO 1	FAZ 2	TAZ 2	AZT 2	FEP 8	AXO 1
C	AMI 32	TGC 4	LEVO 4	DOR 2	ETP 1	IMI 2	MERO 2	FAZ 4	TAZ 4	AZT 4	FEP 16	AXO 2
D	P/T4 8/4	TGC 8	LEVO 8	DOR 4	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	Tigecycline
TIM2	Ticarcillin / Clavulanic acid constant 2
LEVO	Levofloxacin
NIT	Nitrofurantoin
TET	Tetracycline
DOR	Doripenem
MIN	Minocycline
ETP	Ertapenem
SXT	Trimethoprim / Sulfamethoxazole
IMI	Imipenem
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.

Sensititre™ Gram Negative FRCOL Plate



Antimicrobics

COL Colistin
POS Positive Control

*For Proteus spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae.

Sensititre™ Gram Negative EURGNCOL Plate

with Colistin, Ceftazidime/Avibactam and Ceftolozane/Tazobactam

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Non-fastidious Gram Negative isolates	IVD (EUCAST)	Sensititre™ Sterile Water (T3339) 0.5 McFarland Standard (E1041)	Sensititre™ Mueller Hinton Broth (T3462)	Sensititre™ Vizion Sensititre™ Manual Viewbox	30 Isolates

Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HiQ for 18-24 hours

Read semi-automatically with Vizion or manually with Manual Viewbox

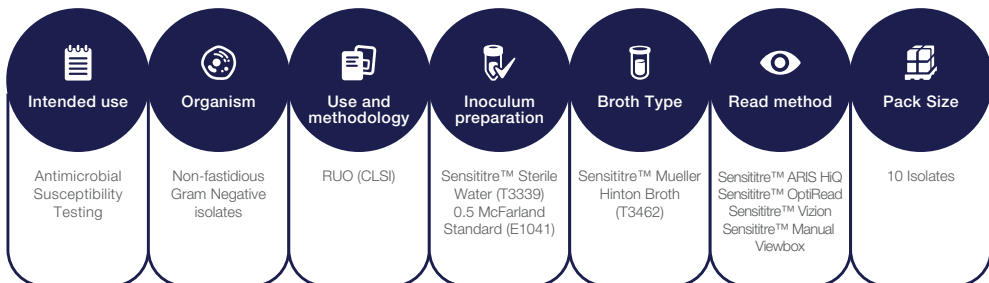
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A	COL 0.25	P/T4 4/4	C/T 4/4	POS	COL 0.25	P/T4 4/4	C/T 4/4	POS	COL 0.25	P/T4 4/4	C/T 4/4	POS
B	COL 0.5	P/T4 8/4	C/T 8/4	MERO 0.25	COL 0.5	P/T4 8/4	C/T 8/4	MERO 0.25	COL 0.5	P/T4 8/4	C/T 8/4	MERO 0.25
C	COL 1	P/T4 16/4	CZA 1/4	MERO 0.5	COL 1	P/T4 16/4	CZA 1/4	MERO 0.5	COL 1	P/T4 16/4	CZA 1/4	MERO 0.5
D	COL 2	P/T4 32/4	CZA 2/4	MERO 1	COL 2	P/T4 32/4	CZA 2/4	MERO 1	COL 2	P/T4 32/4	CZA 2/4	MERO 1
E	COL 4	C/T 0.25/4	CZA 4/4	MERO 2	COL 4	C/T 0.25/4	CZA 4/4	MERO 2	COL 4	C/T 0.25/4	CZA 4/4	MERO 2
F	COL 8	C/T 0.5/4	CZA 8/4	MERO 4	COL 8	C/T 0.5/4	CZA 8/4	MERO 4	COL 8	C/T 0.5/4	CZA 8/4	MERO 4
G	P/T4 1/4	C/T 1/4	CZA 16/4	MERO 8	P/T4 1/4	C/T 1/4	CZA 16/4	MERO 8	P/T4 1/4	C/T 1/4	CZA 16/4	MERO 8
H	P/T4 2/4	C/T 2/4	MERO 0.12	MERO 16	P/T4 2/4	C/T 2/4	MERO 0.12	MERO 16	P/T4 2/4	C/T 2/4	MERO 0.12	MERO 16

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.

Sensititre™ Gram Negative IND1MDRF Plate



Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HIQ for 18-24 hours

Read automatically with ARIS HIQ or OptiRead, semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	MERO 0.05	MERO 1	MERO 2	MERO 4	MERO 8	MERO 16	PLZ 1	PLZ 2	PLZ 4	PLZ 8		
B	MEV 0.06/8	MEV 0.12/8	MEV 0.25/8	MEV 0.5/8	MEV 1/8	MEV 2/8	MEV 4/8	MEV 8/8	MEV 16/8			
C	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMR 0.25/4	IMR 0.5/4	IMR 1/4	IMR 2/4	IMR 4/4	IMR 8/4	IMR 16/4
D	DLX 0.12	DLX 0.25	DLX 0.5	DLX 1	DLX 2	DLX 4	FOS+ 16	FOS+ 32	FOS+ 64	FOS+ 128		
E	ERV 0.03	ERV 0.06	ERV 0.12	ERV 0.25	ERV 0.5	ERV 1	ERV 2	ERV 4	ERV 8			
F	C/T 0.25/4	C/T 0.5/4	C/T 1/4	C/T 2/4	C/T 4/4	C/T 8/4	C/T 16/4	C/T 32/4	COL 1	COL 2	COL 4	COL 8
G	CZA 0.12/4	CZA 0.25/4	CZA 0.5/4	CZA 1/4	CZA 2/4	CZA 4/4	CZA 8/4	CZA 16/4	CZA 32/4			POS
H	SUD 0.12/4	SUD 0.25/4	SUD 0.5/4	SUD 1/4	SUD 2/4	SUD 4/4	SUD 8/4	SUD 16/4			POS	POS

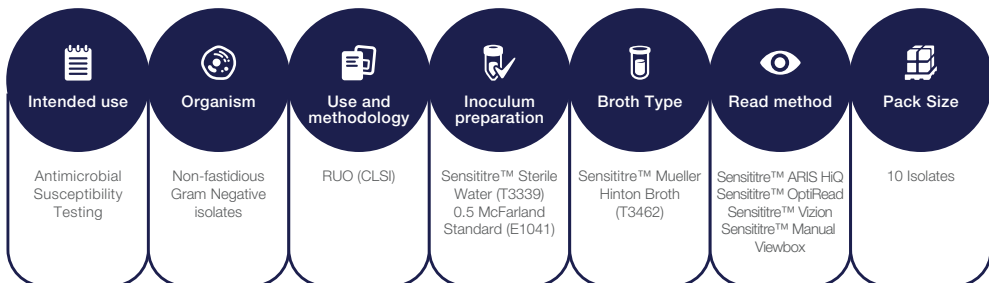
Antimicrobics

CZA	Ceftazidime / Avibactam Constant 4
C/T	Ceftolozane / Tazobactam Constant 4
COL	Colistin
DLX	Delafloxacin
ERV	Eravacycline
FOS+	Fosfomycin+glucose-6-phosphate
IMI	Imipenem
IMR	Imipenem / Relebactam Constant 4
MERO	Meropenem
MEV	Meropenem / Vaborbactam Constant 8
PLZ	Plazomicin sulfate
SUD	Sulbactam / Durlabactam Constant 4
POS	Positive Control

*For Proteus spp. **For Enterobacteriaceae and Non-Enterobacteriaceae. ***For aid in detection of resistance mechanisms for Enterobacteriaceae and Non-Enterobacteriaceae.

Sensititre™ Gram Negative GNX3F Plate

for second-line testing including Colistin



Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HIQ for 18-24 hours

Automatically read with ARIS HIQ or OptiRead or manually read with Sensititre™ Vision or Sensititre™ Manual Viewbox

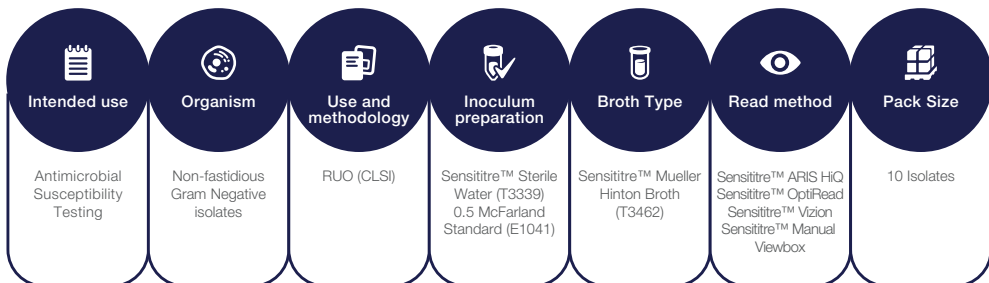
	1	2	3	4	5	6	7	8	9	10	11	12
A	AMI 4	GEN 1	TOB 1	CIP 0.06	SXT 0.5/9.5	AZT 2	FEP 2	COL 0.25	COL 0.5	COL 1	COL 2	COL 4
B	AMI 8	GEN 2	TOB 2	CIP 0.12	SXT 1/19	AZT 4	FEP 4	POL 0.25	POL 0.5	POL 1	POL 2	POL 4
C	AMI 16	GEN 4	TOB 4	CIP 0.25	SXT 2/38	AZT 8	FEP 8	TAZ 1	TAZ 2	TAZ 4	TAZ 8	TAZ 16
D	AMI 32	GEN 8	TOB 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 4	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	Polymyxin 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.

Sensititre™ Gram Negative GNX2F Plate



Put 3-5 colonies into H₂O 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-CO₂ incubator or Sensititre™ ARIS HiQ for 18-24 hours

Automatically read with ARIS HiQ or OptiRead or manually read with Sensititre™ Vision 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	Polymyxin 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.

Sensititre™ YeastOne YO10 Plate

with anidulafungin and micafungin

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Non-fastidious yeast including <i>Candida</i> species, <i>Cryptococcus</i> species, <i>Aspergillus</i> species and miscellaneous other rapid growing yeast species	IVD (CLSI)	Sensititre™ Sterile Water (T3339) 0.5 McFarland Standard (E1041)	Sensititre™ YeastOne Broth (Y3462)	Sensititre™ Vizion Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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-CO₂ air incubator for 24 to 25* hours

Read semi-automatically with Vizion or manually with Manual Viewbox

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

Antimicrobics

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

*24-25 hours incubation for *Candida* species only. Please refer the instruction manual for other species.

Sensititre™ *Mycobacterium tuberculosis* MYCOTB Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	<i>Mycobacterium tuberculosis</i> isolates	RUO	Sensititre™ Saline Tween with Glass Beads (T3490) 0.5 McFarland Standard (E1041)	Sensititre™ Middlebrook 7H9 with OADC (T3440)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into Saline Tween with Glass Beads to reach 0.5 McFarland Standard, Mix 100 μ L into Sensititre™ Middlebrook 7H9 with OADC

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

Seal Sensititre™ plate and incubate at 35-37°C in a non-CO₂ incubator for 10-21 days

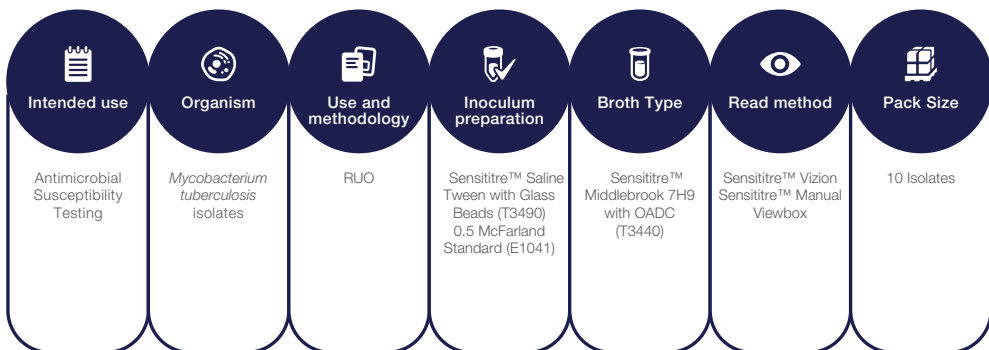
Read semi-automatically with Vision or manually with Manual Viewbox

	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

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

Sensititre™ *Mycobacterium tuberculosis* IND1MBT Plate



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

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 35-37°C in a non-CO₂ incubator for 10-21 days

Read semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	RIF 0.06	INH 0.03	MXF 0.06	ETH 0.3	LZD 0.03	CFZ 0.06	PAS 0.12	CYC 0.06	EMB 0.25	LEVO 0.12	BDQ 0.015	BDQ 2
B	RIF 0.12	INH 0.06	MXF 0.12	ETH 0.6	LZD 0.06	CFZ 0.12	PAS 0.25	CYC 0.12	EMB 0.5	LEVO 0.25	BDQ 0.03	BDQ 4
C	RIF 0.25	INH 0.12	MXF 0.25	ETH 1.2	LZD 0.12	CFZ 0.25	PAS 0.5	CYC 0.25	EMB 1	LEVO 0.5	BDQ 0.06	
D	RIF 0.5	INH 0.25	MXF 0.5	ETH 2.5	LZD 0.25	CFZ 0.5	PAS 1	CYC 0.5	EMB 2	LEVO 1	BDQ 0.12	
E	RIF 1	INH 0.5	MXF 1	ETH 5	LZD 5	CFZ 1	PAS 2	CYC 1	EMB 4	LEVO 2	BDQ 0.25	
F	RIF 2	INH 1	MXF 2	ETH 10	LZD 1	CFZ 2	PAS 4	CYC 2	EMB 8	LEVO 4	BDQ 0.5	
G	RIF 4	INH 2	MXF 4	ETH 20	LZD 2	CFZ 4	PAS 8	CYC 4	EMB 16	LEVO 8	BDQ 1	
H	RIF 8	INH 4	MXF 8	AMI 40	AMI 0.12	AMI 0.25	AMI 0.5	AMI 1	AMI 2	AMI 4	AMI 8	POS

Antimicrobics

RIF	Rifampin
INH	Isoniazid
MXF	Moxifloxacin
ETH	Ethionamide
LZD	Linezolid
AMI	Amikacin
CFZ	Clofazimine
PAS	Para-aminosalicylic acid
CYC	Cycloserine
EMB	Ethambutol
LEVO	Levofloxacin
BDQ	Bedaquiline
POS	Positive Control

Sensititre™ Rapid Growing Mycobacteria RAPMYCOI Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Rapidly growing <i>Mycobacteria</i> , <i>Nocardia</i> spp. and other aerobic <i>Actinomycetes</i> Isolates	IVD (CLSI)	Sensititre™ Sterile Water (T3339)* 0.5 McFarland Standard (E1041)	Sensititre™ MHB with TES (T3462)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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-CO₂ air incubator for 72 hours**

Read semi-automatically with Vision or manually with Manual Viewbox

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

Antimicrobics

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

*For Hard colonies, vortex with demineralized water with glass beads (T3492) to make a homogenous suspension.

**Refer instruction manual for incubation specification for different isolates.

Sensititre™ Rapid Growing Mycobacteria RAPMYCO2 Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Rapidly growing <i>Mycobacteria</i> , <i>Nocardia</i> spp. and other aerobic <i>Actinomycetes</i> Isolates	RUO	Sensititre™ Sterile Water (T3339)* 0.5 McFarland Standard (E1041)	Sensititre™ MHB with TES (T3462)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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-CO₂ air incubator for 72 hours**

Read semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	IMI 0.008	IMI 0.015	IMI 0.03	IMI 0.06	IMI 0.12	IMI 0.25	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMI 16
B	IMI 32	TGC 0.03	TGC 0.06	TGC 0.12	TGC 0.25	TGC 0.5	TGC 1	TGC 2	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1
C	DOX 2	DOX 4	DOX 8	AMI 1	AMI 2	AMI 4	AMI 8	AMI 16	AMI 32	AMI 64	AMI 128	AMI 256
D	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16	LZD 32
E	TOB 0.12	TOB 0.25	TOB 0.5	TOB 1	TOB 2	TOB 4	TOB 8	TOB 16	FOX 1	FOX 2	FOX 4	FOX 8
F	FOX 16	FOX 32	FOX 64	FOX 128	CFZ 0.03	CFZ 0.06	CFZ 0.12	CFZ 0.25	CFZ 0.5	CFZ 1	CFZ 2	CFZ 4
G	MXF 0.015	MXF 0.03	MXF 0.06	MXF 0.12	MXF 0.25	MXF 0.5	MXF 1	MXF 2	MXF 4	CLA 0.06	CLA 0.12	CLA 0.25
H	CLA 0.5	CLA 1	CLA 2	CLA 4	CLA 8	CLA 16	SXT 0.25/4/76	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76	POS

Antimicrobics

IMI	Imipenem
DOX	Doxycycline
CIP	Ciprofloxacin
TOB	Tobramycin
FOX	Cefoxitin
MXF	Moxifloxacin
CLA	Clarithromycin
TGC	Tigecycline
AMI	Amikacin
CFZ	Clofazimine
LZD	Linezolid
SXT	Trimethoprim / sulfamethoxazole
POS	Positive Control

*For Hard colonies, vortex with demineralized water with glass beads (T3492) to make a homogenous suspension.

**Refer instruction manual for incubation specification for different isolates.

Sensititre™ Slow Growing Mycobacteria SLOMYCOI Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Slowly growing non-tuberculosis mycobacteria (NTM), i.e. <i>Mycobacterium avium</i> complex, <i>Mycobacterium kansasii</i> and <i>Mycobacterium marinum</i> isolates	IVD (CLSI)	Sensititre™ Sterile Water (T3339) 0.5 McFarland Standard (E1041)	Sensititre™ MHB with OADC (T8005)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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 Sensititre™ plate and incubate at 35°C in a non-CO₂ air incubator for 7-14 days

Read semi-automatically with Vision or manually with Manual Viewbox

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

Antimicrobics

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

Sensititre™ Slow Growing Mycobacteria SLOMYCO2 Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Slowly growing non-tuberculosis mycobacteria (NTM), i.e. <i>Mycobacterium avium</i> complex, <i>Mycobacterium kansasii</i> and <i>Mycobacterium marinum</i> isolates	IVD (CLSI)	Sensititre Sterile Water (T3339) 0.5 McFarland Standard (E1041)	Sensititre™ MHB with OADC (T8005)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into H₂O 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 Sensititre™ plate and incubate at 35°C in a non-CO₂ air incubator for 7-14 days

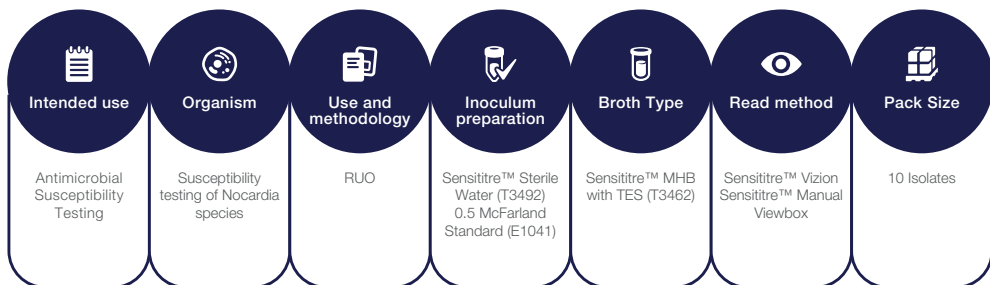
Read semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	SXT 0.25/4.75	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1	DOX 2	DOX 4	DOX 8
B	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16	LZD 32	RFB 0.12	RFB 0.25	RFB 0.5	RFB 1	RFB 2	RFB 4
C	AMI 1	AMI 2	AMI 4	AMI 8	AMI 16	AMI 32	AMI 64	AMI 128	AMI 256	MXF 0.015	MXF 0.03	MXF 0.06
D	MXF 0.12	MXF 0.25	MXF 0.5	MXF 1	MXF 2	MXF 4	CFZ 0.015	CFZ 0.03	CFZ 0.06	CFZ 0.12	CFZ 0.25	CFZ 0.5
E	CFZ 1	CFZ 2	CFZ 4	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8	STR 0.5	STR 1
F	STR 2	STR 4	STR 8	STR 16	STR 32	CLA 0.06	CLA 0.12	CLA 0.25	CLA 0.5	CLA 1	CLA 2	CLA 4
G	CLA 8	CLA 16	CLA 32	CLA 64	MIN 0.06	MIN 0.12	MIN 0.25	MIN 0.5	MIN 1	MIN 2	MIN 4	MIN 8
H	RIF 0.004	RIF 0.008	RIF 0.015	RIF 0.03	RIF 0.06	RIF 0.12	RIF 0.25	RIF 0.5	RIF 1	RIF 2	RIF 4	POS

Antimicrobics

SXT	Trimethoprim / sulfamethoxazole
LZD	Linezolid
AMI	Amikacin
MXF	Moxifloxacin
CFZ	Clofazimine
STR	Streptomycin
CLA	Clarithromycin
RIF	Rifampin
CIP	Ciprofloxacin
MIN	Minocycline
DOX	Doxycycline
RFB	Rifabutin
POS	Positive Control

Sensititre™ NOCARDIA Plate



Put 3-5 colonies into H₂O 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 35°C in a non-CO₂ air incubator for 2-3 days

Read semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	TOB 2	TOB 4	TOB 8	TOB 16	TOB 32	TOB 64	LZD 0.5	LZD 1	LZD 2	LZD 4	LZD 8	LZD 16
B	SXT 0.06/1.19	SXT 0.12/2.38	SXT 0.25/4.75	SXT 0.5/9.5	SXT 1/19	SXT 2/38	SXT 4/76	SXT 8/152	DOX 0.12	DOX 0.25	DOX 0.5	DOX 1
C	DOX 2	DOX 4	DOX 8	DOX 16	CIP 0.12	CIP 0.25	CIP 0.5	CIP 1	CIP 2	CIP 4	CIP 8	CIP 16
D	AUG2 2/1	AUG2 4/2	AUG2 8/4	AUG2 16/8	AUG2 32/16	AUG2 64/32	AUG2 128/64	MXF 0.015	MXF 0.03	MXF 0.06	MXF 0.12	MXF 0.25
E	MXF 0.5	MXF 1	MXF 2	MXF 4	MXF 8	AMI 0.5	AMI 1	AMI 2	AMI 4	AMI 8	AMI 16	AMI 32
F	IMI 0.12	IMI 0.25	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	IMI 16	IMI 32	AXO 1	AXO 2	AXO 4
G	AXO 8	AXO 16	AXO 32	AXO 64	CLA 0.03	CLA 0.06	CLA 0.12	CLA 0.25	CLA 0.5	CLA 1	CLA 2	CLA 4
H	CLA 8	CLA 16	MIN 0.06	MIN 0.12	MIN 0.25	MIN 0.5	MIN 1	MIN 2	MIN 4	MIN 8	MIN 16	POS

Antimicrobics

TOM	Tobramycin
SXT	Trimethoprim / sulfamethoxazole
DOX	Doxycycline
AUG2	Amoxicillin / clavulanic acid 2:1 ratio
MXF	Moxifloxacin
IMI	Imipenem
AXO	Ceftriaxone
CLA	Clarithromycin
MIN	Minocycline
CIP	Ciprofloxacin
AMI	Amikacin
LZD	Linezolid
POS	Positive Control

Sensititre™ Anaerobe ANO2B Plate

Intended use	Organism	Use and methodology	Inoculum preparation	Broth Type	Read method	Pack Size
Antimicrobial Susceptibility Testing	Anerobic organisms <i>Bacteroides fragilis</i> group	RUO	Sensititre™ Cation Adjusted Mueller Hinton Broth with TES (T3462-05) 0.5 McFarland Standard (E1041)	Sensititre™ Supplemented Brucella Broth for Anaerobes (T3451)	Sensititre™ Vision Sensititre™ Manual Viewbox	10 Isolates

Put 3-5 colonies into 5ml MHB to measure a 0.5 McFarland using the Nephelometer, mix 100 µL of suspension into supplemented Brucella 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 34-36°C in an anaerobic atmosphere for 46-48 hours

Read semi-automatically with Vision or manually with Manual Viewbox

	1	2	3	4	5	6	7	8	9	10	11	12
A	A/S2 0.5/0.25	A/S2 1/0.5	A/S2 2/1	A/S2 4/2	A/S2 8/4	A/S2 16/8	AUG2 0.5/0.25	AUG2 1/0.5	AUG2 2/1	AUG2 4/2	AUG2 8/4	AUG2 16/8
B	TANS 4	TANS 8	TANS 16	TANS 32	TANS 64	PEN 0.06	PEN 0.12	PEN 0.25	PEN 0.5	PEN 1	PEN 2	PEN 4
C	IMI 0.12	IMI 0.25	IMI 0.5	IMI 1	IMI 2	IMI 4	IMI 8	MERO 0.5	MERO 1	MERO 2	MERO 4	MERO 8
D	CLI 0.25	CLI 0.5	CLI 1	CLI 2	CLI 4	CLI 8	FOX 1	FOX 2	FOX 4	FOX 8	FOX 16	FOX 32
E	MRD 0.5	MRD 1	MRD 2	MRD 4	MRD 8	MRD 16	CHL 2	CHL 4	CHL 8	CHL 16	CHL 32	CHL 64
F	AMP 0.5	AMP 1	AMP 2	AMP 4	AMP 8	AMP 16	PIP 4	PIP 8	PIP 16	PIP 32	PIP 64	PIP 128
G	TET 0.25	TET 0.5	TET 1	TET 2	TET 4	TET 8	MEZ 4	MEZ 8	MEZ 16	MEZ 32	MEZ 64	MEZ 128
H	P/T4 0.25/4	P/T4 0.5/4	P/T4 1/4	P/T4 2/4	P/T4 4/4	P/T4 8/4	P/T4 16/4	P/T4 32/4	P/T4 64/4	P/T4 128/4	POS	POS

Antimicrobics

AUG2	Amoxicillin /Clavulanic acid 2:1 ratio
AMP	Ampicillin
A/S2	Ampicillin/Sulbactam 2:1 ratio
TANS	Cefotetan
FOX	Cefoxitin
CHL	Chloramphenicol
CLI	Clindamycin
IMI	Imipenem
MERO	Meropenem
MRD	Metronidazole
MEZ	Mezlocillin
PEN	Penicillin
PIP	Piperacillin
P/T4	Piperacillin /Tazobactam constant 4
TET	Tetracycline
POS	Positive Control

One Health

“Antimicrobial resistance is one of the greatest health challenges of our time, and we cannot leave it for our children to solve. Now is the time to forge new, cross-sector partnerships that will protect the medicines we have and revitalize the pipeline for new ones.”

— Dr. Tedros Adhanom Ghebreyesus, WHO Director-General

The One Health approach is the One Health Quadripartite's global initiative to improve alignment across human, animal, and environmental sectors and, ultimately, tackle antimicrobial resistance.¹ Our unique combination of antimicrobial susceptibility testing solutions address human, animal, and environmental sectors. At Thermo Fisher Scientific we uphold the importance of this initiative as we understand that our health is all connected.

Our health is all connected

Whether the patient has fur, feathers, or skin, accurate testing is paramount in diagnosing and treating infections.



- Our **clinical** portfolio helps optimize treatment for the critically ill, promoting better patient outcomes.
- Our **veterinary** solutions can be used to detect resistance in a wide range of animals, from pets and livestock to wildlife, using species-specific formats.
- Our **environmental** capabilities help to determine pathogen antimicrobial susceptibility patterns in food, animals, water and the environment, making us the system of choice for many global surveillance organizations.

Ref: 1. World Health Organization, One Health [website], <https://www.who.int/news-room/questions-and-answers/item/one-health>, accessed (21 December 2023).

The products are for Invitro Diagnostics use only.

For other details regarding the product, please refer to its IFU. INMBD1/04-25

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