

The latest antimicrobials in an easy and flexible AST format



Introducing the Thermo Scientific™ Oxoid™ Aztreonam/Avibactam Antimicrobial Susceptibility Disc

As healthcare professionals face increasing challenges with resistant Gram-negative bacteria, this innovative addition to our AST disc portfolio provides a simple and flexible method for delivering high quality susceptibility results for critical patient samples. Designed for ease of use, the Oxoid Aztreonam/Avibactam Disc empowers microbiologists to enable clinical decision making and ultimately improve patient outcomes in the battle against serious infections.

Aztreonam-avibactam works by combining aztreonam, a monobactam antibiotic that inhibits bacterial cell wall synthesis, with avibactam, a beta-lactamase inhibitor that protects aztreonam from degradation by beta-lactamase enzymes. Aztreonam-avibactam uniquely retains activity against Class B enzymes, such as New Delhi metallo- β -lactamase (NDM), Verona Integron-encoded Metallo- β -lactamase (VIM), and Imipenemase metallo- β -lactamase (IMP), due to aztreonam's inherent metallo- β -lactamase stability, while avibactam protects aztreonam from co-produced Class A (Klebsiella pneumoniae carbapenemase; KPC), C (Ambler Class C β -lactamase; AmpC), and some D (Oxacillinase-48; OXA-48) enzymes. It is used to treat serious Gram-negative bacterial infections, including complicated urinary tract infections (cUTIs) and complicated intra-abdominal infections (cIAs), particularly those caused by multi-drug resistant organisms.

For microbiologists currently evaluating resistance, the Oxoid Aztreonam/Avibactam Disc enables users to perform a direct resistance comparison of aztreonam to aztreonam/avibactam to help physicians understand the clinical benefit of avibactam as a treatment option. Plus, an easy-to-use disc format may assist in the decision-making process of adding aztreonam/avibactam into your formulary.

Aztreonam/Avibactam has been shown to be effective against:

- *Escherichia coli*
- *Klebsiella pneumoniae*
- *Klebsiella oxytoca*
- *Enterobacter cloacae* species complex
- *Citrobacter freundii* complex
- *Serratia marcescens*

Enhance the flexibility of your AST program by learning more about the complete range of Oxoid Antimicrobial Susceptibility Discs.

Enhance the flexibility of your AST with a complete range of discs for Gram negative infections.

Product code	Antibiotic	Symbol	Concentration (µg)
CT0107B	Amikacin	AK	30
CT0223B	Amoxicillin/clavulanic acid	AMC	30
CT0538B	Amoxicillin/clavulanic acid	AMC	3
CT0003B	Ampicillin	AMP	10
CT0002B	Ampicillin	AMP	2
CT1653B	Ampicillin/sulbactam 1:1	SAM	30
CT0264B	Aztreonam	ATM	30
CT1971B	Aztreonam/avibactam	AZA	50
CT0149B	Cefaclor	CEC	30
CT0108B	Cefamandole	MA	30
CT0771B	Cefepime	FEP	30
CT1964B	Cefiderocol	FDC	30
CT0653B	Cefixime	CFM	5
CT0249B	Cefoperazone	CFP	75
CT0166B	Cefotaxime	CTX	30
CT0665B	Cefotetan	CTT	30
CT0119B	Cefoxitin	FOX	30
CT1612B	Cefpodoxime	CPD	10
CT0263B	Cefsulodin	CFS	30
CT0412B	Ceftazidime	CAZ	30
CT1629B	Ceftazidime	CAZ	10
CT0477B	Ceftizoxime	ZOX	30
CT1970B	Ceftolozane/Tazobactam	C/T	40
CT0417B	Ceftriaxone	CRO	30
CT0127B	Cefuroxime	CXM	30
CT0011B	Cephalothin	KF	30
CT0011B	Cephazolin	KZ	30
CT0013B	Chloramphenicol	C	30
CT0623B	Ciprofloxacin	CIP	1
CT1615B	Ciprofloxacin	CIP	10
CT0425B	Ciprofloxacin	CIP	5
CT0017B	Colistin	CT	10
CT0664B	Colistin	CT	50
CT0059B	Compound sulphonamides	S3	300
CT1880B	Doripenem	DOR	10
CT1761B	Ertapenem	ETP	10
CT0024B	Gentamicin	CN	10
CT0794B	Gentamicin	CN	120
CT0455B	Imipenem	IPM	10
CT0026B	Kanamycin	K	30
CT1587B	Levofloxacin	LEV	5
CT0096B	Mecillinam	MEL	10
CT0091B	Mecillinam	MEL	25
CT0774B	Meropenem	MEM	10
CT1949B	Meropenem-Vaborbactam	MEV	30

Product code	Antibiotic	Symbol	Concentration (µg)
CT0030B	Minocycline	MH	30
CT1633B	Moxifloxacin	MXF	5
CT0031B	Nalidixic Acid	NA	30
CT0225B	Netilmicin	NET	30
CT0424B	Netilmicin	NET	10
CT0036B	Nitrofurantoin	F	300
CT0034B	Nitrofurantoin	F	100
CT0069B	Nitrofurantoin	F	50
CT0434B	Norfloxacin	NOR	10
CT0668B	Norfloxacin	NOR	5
CT0446B	Ofloxacin	OFX	5
CT0043B	Penicillin G	P	10
CT0152B	Penicillin G	P	1
CT0124B	Penicillin G	P	5
CT0088B	Penicillin G	P	2
CT0042B	Penicillin G	P	1.5
CT0661B	Pefloxacin	PEF	5
CT0199B	Piperacillin	PRL	100
CT0725B	Piperacillin/tazobactam	TZP	110
CT1628B	Piperacillin/tazobactam	TZP	40
CT0044B	Polymyxin B	PB	300
CT0046B	Spectinomycin	SH	10
CT0411B	Spectinomycin	SH	25
CT0823B	Spectinomycin	SH	100
CT0052B	Sulphamethoxazole/trimethoprim 19:1	SXT	25
CT0054B	Tetracycline	TE	30
CT0167B	Ticarcillin	TIC	75
CT0056B	Tobramycin	TOB	10
CT0076B	Trimethoprim	W	5
CT1948B	Ceftazidime/avibactam 10/4	CZA	14
CT1947B	Ceftazidime/avibactam 30.20	CZA	50
CT1662B	Ceftibuten	CFT	30

 To learn more about how we can support your antimicrobial stewardship efforts with our powerful manual and automated technologies, customization capabilities and one of the widest ranges of antimicrobials available for AST, visit thermofisher.com/AST