



Antimicrobial Susceptibility Testing

Simple, flexible manual AST

Thermo Scientific Oxoid Antimicrobial
Susceptibility Test Discs

Ease of diffusion. Maximum reproducibility.

Help fight antimicrobial resistance with the simplicity and flexibility of disc diffusion using Thermo Scientific™ Oxoid™ Antimicrobial Susceptibility Test (AST) Discs. Available in a variety of common and specialized compounds and a full range of concentrations, Oxoid discs allow you to achieve high quality results and achieve high quality results, with many meeting the applicable CLSI and EUCAST requirements.

Stringent quality control standards

To ensure maximum accuracy and reproducibility, Oxoid discs are manufactured in accordance with appropriate quality standards, including ISO 9001:2015, ISO 13485:2016 and FDA 21 CFR part 820, and undergo comprehensive quality control testing. For clinical applications, Oxoid discs intended for the EU market are CE-marked under the IVD directive, 98/79/EC or IVD Regulation (EU) 2017/746. In addition:

- Test methods and specifications (zone size) adhere to the applicable standard body guidelines with disc performance being the principle quality parameter
- Batch variation, moisture and concentration testing are also performed utilizing an antibiotic concentration specification of 90% to 125%* of the stated concentration

Conveniently packaged

- Each pack contains the instructions for use and five cartridges, each containing 50 individually labeled paper discs impregnated with antimicrobial
- Each cartridge is individually sealed with a desiccant to maintain a moisture level of <2%, ensuring the long-term stability of the product and during storage
- QC testing results for each batch can be found at www.thermofisher.com

*For the majority of our AST discs we utilize an antibiotic concentration specification of 90–125% of the stated concentration to manufacture and release product. However, for a proportion of the range, a higher concentration may be required to ensure standard body derived performance specifications are met and maintained throughout shelf life. For these products the concentration may be increased to a maximum of 150% of the stated concentration.

Flexible dispensing options

The Oxoid range of Disc Dispensers provides accurate disc placement onto a variety of agar plates, including 90 mm, 100 mm, 120 mm and 140 mm diameters, with simple, one-handed operation. Most dispensers are height adjustable to accommodate individual laboratory requirements, and stored in fully interlocking containers to prevent the ingress of moisture and maintain the viability of the antibiotics. The base of the container also contains a desiccant, which ensures a moisture-free environment for opened cartridges, and preserves the integrity of the product.

The latest antimicrobials

Oxoid discs are backed by over 50 years of experience in antimicrobial susceptibility disc development and production. We maintain close relationships with many pharmaceutical companies and introduce new discs to the market in a timely manner when new compounds become available.



Thermo Scientific™ Oxoid™ Disc Dispenser

Superior service and support

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. With best-in-class, multi-language technical support, there's no better partner for your clinical demands than Thermo Fisher Scientific.

Ordering information

Description	CLSI Clinical/ CLSI Vet/Both	EUCAST	Other	Code
Oxoid Antimicrobial Susceptibility Discs				
Amikacin AK30	Both	Y	CDS	CT0107B
Amoxycillin/Clavulanic acid AMC3	-		CDS	CT0538B
Amoxycillin/Clavulanic acid AMC30	Clinical	Y	-	CT0223B
Amoxycillin AML10	-	Y	-	CT0161B
Amoxycillin AML2	-	-	CDS	CT0060B
Amoxycillin AML25	-	-	SFM VET	CT0061B
Ampicillin Sulbactam SAM20	Clinical	Y	-	CT0520B
Ampicillin Sulbactam SAM30	-	-	-	CT1653B
Ampicillin AMP10	Both	Y	-	CT0003B
Ampicillin AMP2	-	Y	-	CT0002B
Ampicillin AMP25	-	-	CDS	CT0004B
Apramycin APR15	Vet	-	CDS	CT0545B
Azithromycin AZM15	Clinical	-	CDS	CT0906B
Aztreonam ATM30	Clinical	Y	CDS	CT0264B
Bacitracin B10	-	-	-	CT0005B
Blank Cartridges	N/A			CT0998B
Cefaclor CEC30	Clinical	Y	CDS	CT0149B
Cefadroxil CFR30	-	Y	-	CT0453B
Cefamandole MA30	Clinical	-	-	CT0108B
Cefepime FEP30	Clinical	Y	-	CT0771B
Cefiderocol FDC30	Clinical	Y		CT1964B
Cefixime CFM5	Clinical	Y	-	CT0653B
Cefoperazone CFP30	-	-	SFM VET	CT0193B
Cefoperazone CFP75	Clinical	-	-	CT0249B
Cefotaxime CTX30	Clinical	-	-	CT0166B
Cefotaxime CTX5	-	Y	CDS	CT0407B
Cefotetan CTT30	Clinical	-	CDS	CT0665B
Cefovecin CVN30	Vet	-	-	CT1929B
Cefoxitin FOX30	Both	Y	CDS	CT0119B
Cefperazone/Sulbactam SCF105	-	-	-	CT1727B
Cefpodoxime CPD10	Both	Y	CDS	CT1612B
Cefsulodin CFS30	-	-	-	CT0263B
Ceftaroline CPT30	Clinical	-	-	CT1941B
Ceftaroline CPT5	-	Y	CDS	CT1942B
Ceftazidime CAZ10	-	Y	CDS	CT1629B

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Ceftazidime CAZ30	Clinical	-	-	CT0412B
Ceftazidime/Avibactam (10/4) CZA14	-	Y	-	CT1948B
Ceftazidime/Avibactam (30/20) CZA50	Clinical	-	-	CT1947B
Ceftibuten CFT30	Clinical	Y	-	CT1662B
Ceftiofur EFT30	Vet	-	-	CT1751B
Ceftizoxime ZOX30	Clinical	-	-	CT0477B
Ceftolozane/Tazobactam C/T40	Clinical	Y	-	CT1970B
Ceftriaxone CRO30	Clinical	Y	-	CT0417B
Ceftriaxone CRO5	-	-	CDS	CT1743B
Cefuroxime CXM30	Clinical	Y	CDS	CT0127B
Cefuroxime CXM5	-	-	-	CT0406B
Cephalexin CL30	-	Y	-	CT0007B
Cephalothin KF30	Both	-	-	CT0010B
Cephazolin KZ30	Clinical	-	CDS	CT0011B
Cephradine CE30	-	-	-	CT0063B
Chloramphenicol C10	-	-	CDS	CT0012B
Chloramphenicol C30	Both	Y	CDS	CT0013B
Ciprofloxacin CIP1	-	-	-	CT0623B
Ciprofloxacin CIP10	-	-	-	CT1615B
Ciprofloxacin CIP5	Clinical	Y	-	CT0425B
Clarithromycin CLR15	Clinical	-	-	CT0693B
Clarithromycin CLR2	-	-	-	CT1599B
Clindamycin DA10	-	-	-	CT0015B
Clindamycin DA2	Both	Y	CDS	CT0064B
Cloxacillin OB5	-	-	-	CT0016B
Colistin Sulphate CT10	Clinical	-	-	CT0017B
Colistin Sulphate CT50	-	-	SFM VET	CT0664B
Compound Sulphonamide S3 300	-	-	-	CT0059B
Doripenem DOR10	Clinical	Y	CDS	CT1880B
Doxycycline DO30	Clinical	-	CDS	CT0018B
Enrofloxacin ENR5	Vet	-	-	CT0639B
Ertapenem ETP10	Clinical	Y	CDS	CT1761B
Erythromycin E10	-	-	-	CT0019B
Erythromycin E15	Both	Y	-	CT0020B
Erythromycin E30	-	-	-	CT0021B
Erythromycin E5	-	-	CDS	CT0066B
Florfenicol FFC30	Vet	-	CDS	CT1754B
Fluconazole FCA25	Antifungal	-	-	CT1806B
Flumequine UB30	-	-	SFM VET	CT0666B
Fosfomycin FOS50	-	-	SFM	CT0183B
Fosfomycin Trometamol FOT200	-	-	CDS	CT0758B
Fusidic Acid FD10	Clinical	Y	-	CT0023B
Fusidic Acid FD5	-	-	-	CT0493B
Fusidic Acid FD50	-	-	-	CT1617B
Gentamicin CN10	Both	Y	CDS	CT0024B
Gentamicin CN120	Clinical	-	-	CT0794B
Gentamicin CN200	-	-	CDS	CT0695B
Gentamicin CN30	-	Y	-	CT0072B
Imipenem IPM10	Both	Y	CDS	CT0455B
Kanamycin K30	Both	-	-	CT0026B

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Kanamycin K5	-	-	-	CT0025B
Levofloxacin LEV5	Clinical	Y	-	CT1587B
Lincomycin MY10	-	-	-	CT0123B
Lincomycin MY15	-	-	SFM	CT0028B
Lincomycin MY2	-	-	-	CT0027B
Lincomycin/Spectinomycin LS109	-	-	-	CT1758B
Linezolid LZD10	-	Y	CDS	CT1649B
Linezolid LZD30	Clinical	-	-	CT1650B
Mecillinam MEL10	Clinical	Y	-	CT0096B
Mecillinam MEL25	-	-	-	CT0091B
Meropenem MEM10	Clinical	Y	-	CT0774B
Meropenem/Vaborbactam MEV30	Clinical	Y	-	CT1949B
Metronidazole MTZ5	-	-	CDS	CT0067B
Metronidazole MTZ50	-	-	-	CT0466B
Minocycline MH30	Clinical	Y	-	CT0030B
Moxifloxacin MXF5	Clinical	Y	-	CT1633B
Mupirocin MUP200	-	Y	-	CT0523B
Mupirocin MUP5	-	-	CDS	CT0522B
Nalidixic Acid NA30	Clinical	Y	CDS	CT0031B
Neomycin N10	-	-	-	CT0032B
Neomycin N30	Vet	-	CDS	CT0033B
Netilmicin NET10	-	Y	-	CT0424B
Netilmicin NET30	Clinical	-	-	CT0225B
Nitrofurantoin F100	-	Y	-	CT0034B
Nitrofurantoin F200	-	-	CDS	CT0035B
Nitrofurantoin F300	Clinical	-	-	CT0036B
Nitrofurantoin F50	-	-	-	CT0069B
Norfloxacin NOR10	Clinical	Y	CDS	CT0434B
Norfloxacin NOR5	-	-	-	CT0668B
Novobiocin NV30	-	-	-	CT0038B
Novobiocin NV5	-	-	CDS	CT0037B
Ofloxacin OFX5	Clinical	Y	-	CT0446B
Oleandomycin OL15	-	-	-	CT0039B
Oxacillin OX1	Both	Y	CDS	CT0159B
Oxacillin OX5	-	-	DIN, SFM	CT0040B
Oxolinic Acid OA2	-	-	-	CT0181B
Oxytetracycline OT30	-	-	-	CT0041B
Pefloxacin PEF5	-	Y	-	CT0661B
Penicillin G P1	-	Y	-	CT0152B
Penicillin G P1.5	-	-	-	CT0042B
Penicillin G P2	-	-	-	CT0088B
Penicillin G P10	Both	-	-	CT0043B
Penicillin G P5	-	-	-	CT0124B
Penicillin/Novobiocin PNV40	Vet	-	-	CT1755B
Pipemidic Acid PIP20	-	-	-	CT0180B
Piperacillin PRL100	Clinical	-	-	CT0199B
Piperacillin PRL30	-	Y	-	CT1619B
Piperacillin/Tazobactam TZP110	Clinical	-	-	CT0725B
Piperacillin/Tazobactam TZP36	-	Y	-	CT1616B
Pirlimycin PIR2	Vet	-	-	CT1668B

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Polymyxin B PB300	Clinical	-	CDS	CT0044B
Rifampicin RD2	-	-	-	CT0078B
Rifampicin RD30	-	-	DIN, SFM	CT0104B
Rifampicin RD5	Both	Y	CDS	CT0207B
Spectinomycin SH10	-	-	-	CT0046B
Spectinomycin SH100	Both	-	-	CT0823B
Spectinomycin SH25	-	-	CDS	CT0411B
Spiramycin SP100	-	-	SFM VET	CT0232B
Streptomycin S10	Clinical	-	-	CT0047B
Streptomycin S25	-	-	CDS	CT0048B
Streptomycin S300	-	-	CDS	CT1897B
Sulphafurazole SF300	Both	-	-	CT0075B
Sulphamethoxazole/Trimethoprim SXT25	Clinical	Y	CDS	CT0052B
Sulphamethoxazole RL25	-	-	-	CT0051B
Teicoplanin TEC30	Clinical	Y	-	CT0647B
Temocillin TEM30	-	Y	-	CT1952B
Tetracycline TE10	-	-	CDS	CT0053B
Tetracycline TE30	Both	Y	-	CT0054B
Ticarcillin TIC75	Both	Y	CDS	CT0167B
Tigecycline TGC15	Clinical	Y	CDS	CT1841B
Tilmicosin TIL15	Vet	-	-	CT1756B
Tobramycin TOB10	Clinical	Y	CDS	CT0056B
Tobramycin TOB30	-	-	-	CT1618B
Trimethoprim W1.25	-	-	-	CT0057B
Trimethoprim W5	Clinical	Y	CDS	CT0076B
Vancomycin VA30	Both	-	-	CT0058B
Vancomycin VA5	-	Y	-	CT0188B
Voriconazole VOR1	Clinical	-	-	CT1807B

Description	Quantity	Code
Diagnostic discs		
O129 150 µg	1 x 50 discs	DD0015T
AN-IDENT Discs DD6	6 x 50 discs	DD0006A
Bacitracin BC	5 x 50 discs	DD0002B
	1 x 50 discs	DD0002T
Cefoxitin FOX10	5 x 50 discs	DD0026B
Cefpodoxime Combi Disc Kit CPD10/CD01	2 x (5 x 50) discs	DD0029B
Furazolidone 100 µg	5 x 50 discs	DD0028B
Kanamycin 1000 K1000	5 x 50 discs	DD0027B
Metronidazole MZDD	1 x 50 discs	DD0008T
ONPG	1 x 50 discs	DD0013T

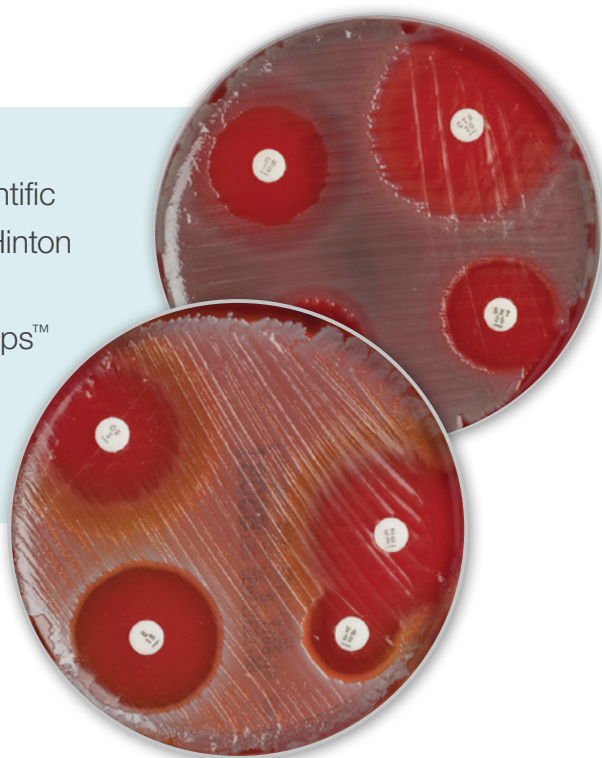
Description	Quantity	Code
Diagnostic discs		
Optochin OP	5 x 50 discs	DD0001B
	1 x 50 discs	DD0001T
SPS	1 x 50 discs	DD0016T
Sulphonamide SUL	1 x 50 discs	DD0011T
V Factor	5 x 50 discs	DD0004B
	1 x 50 discs	DD0004T
X Factor	5 x 50 discs	DD0003B
	1 x 50 discs	DD0003T
X+V Factor	5 x 50 discs	DD0005B
	1 x 50 discs	DD0005T

Ordering information

Description	Quantity	Code
Oxoid AST Disc Dispensers		
90 mm plate diameter	6 discs	ST6090
	8 discs	ST8090
100 mm plate diameter	6 discs	ST6100
	8 discs	ST8100
140 mm plate diameter	12 discs	ST1215
120 mm plate diameter, square plates	16 discs	FR600510*
Other supplies		
Replacement desiccant, dispenser	Each	ST9100
Desiccant sachets	2 sachets	HP0063A
Cartridge container, complete with desiccant	Each	HP0055A
Ejector	6 ejectors/pk	HP0053A

* Sold in selected territories.

We also offer a full range of Thermo Scientific Oxoid prepared and dehydrated Mueller Hinton Agar, Mueller Hinton Broths, McFarland Standards and Thermo Scientific™ Culti-Loops™ Quality Control Organisms to complete your manual AST workflow.



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

Not all products listed in the tables are CE marked or have 510(k) clearance for sale in the U.S. Availability of products in each country depends on local regulatory marketing authorization status.