

IVD solutions through partnership



mastdiscs™

Antimicrobial Susceptibility and Bacterial Identification Discs in Cartridges and Vials



- Extensive range available from stock
- Strictly Quality Controlled
- Compatible with EUCAST, BSAC and CLSI standards
- Bespoke service to customer specification

Mast has been a manufacturer of antibiotic susceptibility test products since 1957, and continues to be at the forefront of developments in this field. With an ever-expanding portfolio of antibiotic susceptibility, combination and identification discs, Mast supplies the most comprehensive range available worldwide.

Disc diffusion is still the most popular method for determining bacterial antibiotic susceptibility in the treatment of infectious disease, as highlighted by the variety of international standardised procedures including The European Committee on Antimicrobial Susceptibility Testing (EUCAST), The Clinical and Laboratory Standards Institute (CLSI) and The British Society for Antimicrobial Chemotherapy (BSAC).

MASTDISCS™ are available as an extensive range of test discs presented in dispensing cartridges or vials, with quality assurance guaranteed in accordance to standardised test protocols as issued by the above national and international organisations.

mastdiscs™
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Antibiotic Susceptibility Discs in Cartridges and Vials

STOCK RANGE

Description Antibiotic & Strength µg per disc (unless otherwise stated)	STANDARD			Order Code	
	BSAC	EUCAST	CLSI	Cartridges 5 × 50 discs	Vials 100 discs
Amikacin 30	✓	✓	✓	AK30C	AK30
Amoxicillin 2	✓	-	-	A2C	-
Amoxicillin 10	✓	-	-	A10C	A10
Amoxicillin 25	✓	-	-	A25C	-
Ampicillin 2	✓	✓	-	AP2C	AP2
Ampicillin 10	✓	✓	✓	AP10C	AP10
Ampicillin 25	✓	-	-	AP25C	-
Ampicillin/Sulbactam 10-10	-	-	✓	SAM20C	-
Amoxicillin/clavulanic acid 2-1	✓	✓	-	AUG3C	AUG3
Amoxicillin/clavulanic acid 20-10	✓	✓	✓	AUG30C	AUG30
Azithromycin 15	✓	✓	✓	ATH15C	-
Aztreonam 30	✓	✓	✓	ATM30C	ATM30
Bacitracin 8 units	-	-	-	-	BA8
Bacitracin 10 units	-	-	-	BA10C	BA10
Carbenicillin 100	✓	-	✓	PY100C	-
Cefaclor 30	✓	✓	✓	CFC30C	-
Ceftibuten 30	-	✓	✓	CFB30C	-
Cefamandole 30	✓	-	✓	CMD30C	-
Cefadroxil 30	✓	✓	-	CDX30C	-
Cefepime 30	✓	✓	✓	CPM30C	-
Cefixime 5	✓	✓	✓	CFM5C	CFM5
Cefoperazone 30	✓	-	-	CPZ30C	-
Cefoperazone 75	-	-	✓	CPZ75C	-
Cefotaxime 5	✓	✓	-	CTX5C	-
Cefotaxime 30	✓	-	✓	CTX30C	CTX30
Cefoxitin 10	✓	-	-	FOX10C	FOX10
Cefoxitin 30	✓	✓	✓	FOX30C	-
Cefpodoxime 10	✓	✓	✓	CPD10C	CPD10
Cefpodoxime 30	-	-	✓	CPD30C	-
Cefprozil 30	-	-	✓	CZL30C	-
Ceftaroline 5	-	✓	-	CPT5C	-

Description Antibiotic & Strength µg per disc (unless otherwise stated)	STANDARD			Order Code	
	BSAC	EUCAST	CLSI	Cartridges 5 x 50 discs	Vials 100 discs
Ceftaroline 30	-	-	✓	CPT30C	-
Ceftazidime 10	-	✓	-	CAZ10C	-
Ceftazidime 30	✓	✓	✓	CAZ30C	CAZ30
Ceftriaxone 5	✓	-	✓	CRO5C	-
Ceftriaxone 30	✓	✓	✓	CRO30C	CRO30
Cefuroxime 5	✓	-	-	CXM5C	CXM5
Cefuroxime 30	✓	✓	✓	CXM30C	CXM30
Cephalexin 30	✓	-	-	CFX30C	CFX30
Cephalothin 30	✓	-	✓	KF30C	-
Cephazolin 30	-	-	✓	GZ30C	-
Cephradine 30	✓	-	-	CRD30C	-
Chloramphenicol 10	✓	-	-	C10C	C10
Chloramphenicol 30	✓	✓	✓	C30C	C30
Ciprofloxacin 1	✓	-	-	CIP1C	CIP1
Ciprofloxacin 5	✓	✓	✓	CIP5C	CIP5
Clarithromycin 2	✓	-	-	CLA2C	-
Clarithromycin 5	✓	-	-	CLA5C	-
Clarithromycin 15	-	✓	✓	CLA15C	CLA15
Clindamycin 2	✓	✓	✓	CD2C	CD2
Cloxacillin 5	-	-	-	CX5C	-
Colistin Sulphate 10	-	-	-	CO10C	-
Colistin Sulphate 25	✓	-	-	CO25C	CO25
Doripenem 10	-	✓	✓	DOR10C	-
Doxycycline 30	✓	-	✓	DXT30C	-
Enrofloxacin 5	-	-	✓	ENF5C	-
Ertapenem 10	✓	✓	✓	ETP10C	-
Erythromycin 5	✓	-	-	E5C	E5
Erythromycin 15	-	✓	✓	E15C	-
Florfenicol 30	-	-	-	FFC30C	-
Fosfomycin 200/ Glucose-6-Phosphate 50	✓	-	✓	FOT200C	-
Fusidic Acid 10	✓	✓	-	FC10C	FC10
Gatifloxacin 5	-	-	✓	GAT5C	-
Gentamicin 10	✓	✓	✓	GM10C	GM10
Gentamicin 30	-	✓	-	GM30C	-
Gentamicin 120	-	-	✓	GM120C	-
Gentamicin 200	✓	-	-	GM200C	GM200
Imipenem 10	✓	✓	✓	IMI10C	IMI10
Kanamycin 30	-	-	✓	K30C	-
Levofloxacin 1	✓	-	-	LEV1C	-
Levofloxacin 5	✓	✓	✓	LEV5C	-
Linezolid 10	✓	✓	-	LZD10C	LZD10
Linezolid 30	-	-	✓	LZD30C	-
Mecillinam 10	✓	✓	✓	MEC10C	-
Meropenem 10	✓	✓	✓	MEM10C	MEM10
Metronidazole 2.5	-	-	-	-	MZ2.5
Metronidazole 5	✓	-	-	MZ5C	MZ5
Mezlocillin 75	✓	✓	✓	MEZ75C	-
Minocycline 30	✓	-	✓	MN30C	-
Moxifloxacin 1	✓	-	-	MFX1C	-
Moxifloxacin 5	✓	✓	✓	MFX5C	-
Mupirocin 5	✓	-	-	MUP5C	MUP5
Mupirocin 20	✓	-	-	MUP20C	-

Description Antibiotic & Strength µg per disc (unless otherwise stated)	STANDARD			Order Code	
	BSAC	EUCAST	CLSI	Cartridges 5 x 50 discs	Vials 100 discs
Mupirocin 200	-	✓	-	MUP200C	-
Nalidixic Acid 30	✓	✓	✓	NA30C	NA30
Neomycin 10	✓	-	-	NE10C	NE10
Neomycin 30	-	-	-	NE30C	NE30
Netilmicin 10	-	✓	-	NET10C	-
Netilmicin 30	✓	✓	-	NET30C	-
Nitrofurantoin 50	-	-	-	NI50C	-
Nitrofurantoin 100	-	✓	-	NI100C	-
Nitrofurantoin 200	✓	-	-	NI200C	-
Nitrofurantoin 300	-	-	✓	NI300C	-
Norfloxacin 2	✓	-	-	NOR2C	-
Norfloxacin 10	-	✓	✓	NOR10C	-
Novobiocin 5	-	-	-	NO5C	NO5
Novobiocin 30	-	-	-	NO30C	-
Ofloxacin 5	✓	✓	✓	OFX5C	OFX5
Oxacillin 1	✓	✓	✓	OX1C	OX1
Oxytetracycline 30	-	-	-	OT30C	-
Penicillin G 1 unit	✓	✓	-	PG1C	PG1
Penicillin G 2 units	-	-	-	-	PG2
Penicillin G 10 units	-	-	✓	PG10C	PG10
Piperacillin 30	-	-	-	PRL30C	-
Piperacillin 75	✓	-	-	PRL75C	-
Piperacillin 100	-	-	✓	PRL100C	-
Piperacillin/tazobactam 30-6	-	✓	-	PTZ36C	-
Piperacillin/tazobactam 75-10	✓	-	-	PTZ85C	PTZ85
Piperacillin/tazobactam 100-10	-	-	✓	PTZ110C	-
Polymyxin B 300 units	-	-	-	PB300C	PB300
Quinupristin/dalfopristin 15	✓	-	✓	SYN15C	-
Rifampicin 2	✓	-	-	RP2C	-
Rifampicin 5	✓	✓	✓	RP5C	RP5
Spectinomycin 25	✓	-	-	SPC25C	-
Spectinomycin 100	-	-	✓	SPC100C	-
Streptomycin 10	✓	-	✓	S10C	-
Streptomycin 300	-	✓	✓	S300C	-
Teicoplanin 30	✓	-	✓	TEC30C	TEC30
Telithromycin 15	✓	-	✓	TEL15C	-
Temocillin 30	✓	-	-	TEM30C	-
Tetracycline 10	✓	-	-	T10C	T10
Tetracycline 30	-	✓	✓	T30C	T30
Ticarcillin 75	✓	-	✓	TC75C	-
Tigecycline 15	✓	✓	✓	TGC15C	-
Ticarcillin/clavulanic acid 75-10	✓	-	✓	TIM85C	-
Tobramycin 10	✓	✓	✓	TN10C	TN10
Tobramycin 30	-	✓	-	TN30C	-
Trimethoprim 2.5	✓	-	-	TM2.5C	TM2.5
Trimethoprim 5	✓	✓	✓	TM5C	-
Trimethoprim/sulfamethoxazole 1.25/23.75	✓	✓	✓	TS25C	TS25
Tylosin 30	-	-	-	TY30C	TY30
Vancomycin 5	✓	✓	-	VA5C	VA5
Vancomycin 30	-	-	✓	VA30C	VA30
Blank discs	-	-	-	BD0680W/C	BD0638W

STOCK RANGE

Description Antifungal & Strength µg per disc (unless otherwise stated)	Order Code	
	Cartridges 5 × 50 discs	Vials 100 discs
Amphotericin B 20	AMB20C	AMB20
Clotrimazole 10	CTM10C	-
Econazole 10	ECN10C	-
Fluconazole 10	FCN10C	-
Fluconazole 25	FCN25C	FCN25
Flucytosine 1	FY1C	FY1
Ketoconazole 10	KCA10C	-
Miconazole 10	MCL10C	MCL10
Nystatin 100	NY100C	NY100

mastdiscs™ Combination Disc Sets for the Detection of Antibiotic Resistance
combi

Order No:	Product	Mechanism	Packsize
D52C	Extended Spectrum β Lactamase Set	ESBL	50 tests
D62C	Cefotaxime 30 & Cefotaxime 30/Clavulanic Acid 10	ESBL	150 tests
D63C	Cefepime 30 & Cefepime 30/Clavulanic Acid 10	ESBL	150 tests
D64C	Ceftazidime 30 & Ceftazidime 30/Clavulanic Acid 10	ESBL	150 tests
D66C	Cefpodoxime 10 & Cefpodoxime 10/Clavulanic Acid 1	ESBL	150 tests
D67C	Extended Spectrum β Lactamase Set (CPD10)	ESBL	50 tests
D68C	AmpC & ESBL Detection Set	AmpC/ESBL	50 tests
D69C	AmpC Detection Set	AmpC	50 tests
D70C	Carbapenemase Detection Set	MBL/KPC	50 tests

Product	For presumptive Identification of:	Order Code	
		Cartridges 5 × 50 discs	Vials 100 discs
Bacitracin Discs (0.04i.u.)	Group A streptococci	D40C	D40
Bacitracin Discs (0.1i.u.)	Group A streptococci	D41C	D41
Optochin Discs	<i>Strep.pneumoniae</i>	D42C	D42
X Factor Discs	<i>Haemophilus</i> spp.	D43C	D43
V Factor Discs	<i>Haemophilus</i> spp.	D44C	D44
X+V Factor Discs	<i>Haemophilus</i> spp.	D45C	D45
Metronidazole Discs	<i>Gardnerella vaginalis</i>	D46C	D46
Sulphathiazole Discs	<i>Gardnerella vaginalis</i>	D47C	-
Lysostaphin Discs	Staphylococci/micrococci	-	D48
Nitrate Discs	Nitrate Reductase in anaerobes	D51C	-
SPS Discs	<i>P. anaerobius</i>	D55C	-
Oxidase Discs	<i>Pseudomonas</i> spp.	D57C	D57
Nitrocefin Discs	β lactamase Detection	-	D59

Order No:	Product	Packsize
MDD63	DiscMaster™ 3 DISPENSER - 6 place	1
SILICA63	Silica Gel Capsule For MDD63	1
SHD1	Single Cartridge Hand Dispenser	1
SHD5	Single Cartridge Hand Dispenser	5

CUSTOM MANUFACTURING

Mast also offers a renowned custom manufacturing service which guarantees to make products to customer specification to minimum order requirements. Please contact Customer Services before completing orders for custom manufactured products for advice on minimums and lead times.

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