



MASTDISCS®

Leading the field with a complete solution
for AST and Identification disc testing



- Comprehensive range
- Premium quality products
- Compatible with EUCAST and CLSI standards
- Bespoke service available

Mast Group Ltd., 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 Group Ltd. supplies the most comprehensive range available worldwide. Mast Group Ltd. also offers a range of services including **mastpharma®** development and **mastpharma®** stability for the evaluation of novel antimicrobial compounds for the pharmaceutical industry.

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) and The Clinical and Laboratory Standards Institute (CLSI). From January 2016 The British Society for Antimicrobial Chemotherapy (BSAC) guidelines were superseded by EUCAST. Mast Group Ltd. continues to support laboratories with the supply of BSAC concentrations until January 2020.

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.

Disc Diffusion Susceptibility Testing

Order No	Product	Packsize
MASTDISCS® AST - ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES AND VIALS		
MASTDISCS®	in Cartridges (5 × 50 discs per pack)	
STOCKCART	Stock Susceptibility Cartridge Discs of a single type 	1 pack
FUNGCART	Stock Antifungal Cartridge Discs of a single type	1 pack
SPECIALCART	Cartridge Discs made to special order*	Min 18 packs
VOLCART	Cartridge Discs made to special order* 	Min 98 packs
MASTDISCS®	(100 discs per vial)	
STOCKDISC	Stock Susceptibility Discs of a single type	1 vial
FUNGDISC	Stock Antifungal Discs of a single type	1 pack
SPECIALDISC	Discs made to special order*	Min 22 packs
VOLDISC	Discs made to special order*	Min 97 packs
TOOL/C	*Set up charge for Special Discs in vials or cartridges A one off charge for customisation of each new specification	per new specification

Disc Diffusion Susceptibility Testing

MASTDISCS[®]AST

ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	STANDARD			Order Code Cartridges 5 × 50 discs
	BSAC	EUCAST	CLSI	
Amikacin 30	✓	✓	✓	AK30C
Amoxicillin 2	✓	-	-	A2C
Amoxicillin 10	✓	-	-	A10C
Amoxicillin 25	✓	-	-	A25C
Amoxicillin/clavulanic acid 2-1	✓	✓	-	AUG3C
Amoxicillin/clavulanic acid 20-10	✓	✓	✓	AUG30C
Ampicillin 2	✓	✓	-	AP2C
Ampicillin 10	✓	✓	✓	AP10C
Ampicillin 25	✓	-	-	AP25C
Ampicillin/Sulbactam 10-10	-	-	✓	SAM20C
Azithromycin 15	✓	✓	✓	ATH15C
Aztreonam 30	✓	✓	✓	ATM30C
Bacitracin 10 units	-	-	-	BA10C
Carbenicillin 100 ♦	✓	-	✓	PY100C
Cefachlor 30	✓	✓	✓	CFC30C
Cefadroxil 30	✓	✓	-	CDX30C
Cefalexin 30	✓	-	-	CFX30C
Cefalothin 30	✓	-	✓	KF30C
Cefamandole 30	✓	-	✓	CMD30C
Cefazolin 30	-	-	✓	CZ30C
Cefepime 30	✓	✓	✓	CPM30C
Cefixime 5	✓	✓	✓	CFM5C
Cefoperazone 30	✓	-	-	CPZ30C
Cefotaxime 5	✓	✓	-	CTX5C
Cefotaxime 30	✓	-	✓	CTX30C
Cefoxitin 10	✓	-	-	FOX10C
Cefoxitin 30	✓	✓	✓	FOX30C
Cefpodoxime 10	✓	✓	✓	CPD10C
Cefradine 30	✓	-	-	CRD30C
Ceftaroline 5	-	✓	-	CPT5C
Ceftaroline 30	-	-	✓	CPT30C
Ceftazidime 10	-	✓	-	CAZ10C
Ceftazidime 30	✓	✓	✓	CAZ30C
Ceftazidime/avibactam 10-4	-	✓	-	CZA14C
Ceftazidime/avibactam 30-20	-	-	✓	CZA50C
Ceftibuten 30	-	✓	✓	CFB30C
Ceftolozane/tazobactam 30-10	-	✓	✓	CT40C
Ceftriaxone 5	✓	-	✓	CRO5C
Ceftriaxone 30	✓	✓	✓	CRO30C
Cefuroxime 5	✓	-	-	CXM5C
Cefuroxime 30	✓	✓	✓	CXM30C
Chloramphenicol 10	✓	-	-	C10C
Chloramphenicol 30	✓	✓	✓	C30C
Ciprofloxacin 1	✓	-	-	CIP1C
Ciprofloxacin 5	✓	✓	✓	CIP5C
Clarithromycin 2	✓	-	-	CLA2C
Clarithromycin 5	✓	-	-	CLA5C
Clarithromycin 15	-	✓	✓	CLA15C
Clindamycin 2	✓	✓	✓	CD2C
Delafloxacin 5 NEW	-	-	✓	DLX5C
Doripenem 10	-	✓	✓	DOR10C
Doxycycline 30	✓	-	✓	DXT30C
Eravacycline 20 NEW	-	✓	✓	ERV20C
Ertapenem 10	✓	✓	✓	ETP10C
Erythromycin 5	✓	-	-	E5C
Erythromycin 15	-	✓	✓	E15C
Florfenicol 30	-	-	-	FFC30

♦ Selected individually priced discs

Disc Diffusion Susceptibility Testing

MASTDISCS[®]AST

ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	STANDARD			Order Code Cartridges 5 × 50 discs
	BSAC	EUCAST	CLSI	
Fosfomycin 200/Glucose-6-Phosphate 50	✓	-	✓	FOT200C
Fusidic Acid 10	✓	✓	-	FC10C
Gentamicin 10	✓	✓	✓	GM10C
Gentamicin 30	-	✓	-	GM30C
Gentamicin 120	-	-	✓	GM120C
Gentamicin 200	✓	-	-	GM200C
Imipenem 10	✓	✓	✓	IMI10C
Imipenem/Relebactam 10-25 Coming Soon	-	-	✓	IMR35C
Kanamycin 30	-	-	✓	K30C
Levofloxacin 1	✓	-	-	LEV1C
Levofloxacin 5	✓	✓	✓	LEV5C
Linezolid 10	✓	✓	-	LZD10C
Linezolid 30	-	-	✓	LZD30C
Mecillinam 10	✓	✓	✓	MEC10C
Meropenem 10	✓	✓	✓	MEM10C
Meropenem/Vaborbactam 20-10 NEW	-	✓	✓	MEV30C
Metronidazole 5	✓	-	-	MZ5C
Minocycline 30	✓	-	✓	MN30C
Moxifloxacin 1	✓	-	-	MXF1C
Moxifloxacin 5	✓	✓	✓	MXF5C
Mupirocin 5	✓	-	-	MUP5C
Mupirocin 20	✓	-	-	MUP20C
Mupirocin 200	-	✓	-	MUP200C
Nalidixic Acid 30	✓	✓	✓	NA30C
Neomycin 10	✓	-	-	NE10C
Neomycin 30	-	-	-	NE30C
Netilmicin 10	-	✓	-	NET10C
Netilmicin 30	✓	✓	-	NET30C
Nitrofurantoin 100	-	✓	-	NI100C
Nitrofurantoin 200	✓	-	-	NI200C
Nitrofurantoin 300	-	-	✓	NI300C
Nitroxoline 30	-	-	✓	NIB30C
Norfloxacin 2	✓	-	-	NOR2C
Norfloxacin 10	-	✓	✓	NOR10C
Novobiocin 5	-	-	-	NO5C
Ofloxacin 5	✓	✓	✓	OFX5C
Oxacillin 1	✓	✓	✓	OX1C
Pefloxacin 5	-	✓	-	PEF5C
Penicillin G 1 unit	✓	✓	-	PG1C
Penicillin G 10 units	-	-	✓	PG10C
Piperacillin 30	-	-	-	PRL30C
Piperacillin 75	✓	-	-	PRL75C
Piperacillin 100	-	-	✓	PRL100C
Piperacillin/tazobactam 30-6	-	✓	-	PTZ36C
Piperacillin/tazobactam 75-10	✓	-	-	PTZ85C
Piperacillin/tazobactam 100-10	-	-	✓	PTZ110C
Polymyxin B 300 units	-	-	-	PB300C
Quinupristin/dalfopristin 15	✓	-	✓	SYN15C
Rifampicin 2	✓	-	-	RP2C
Rifampicin 5	✓	✓	✓	RP5C
Spectinomycin 25	✓	-	-	SPC25C
Streptomycin 10	✓	-	✓	S10C
Streptomycin 300	-	✓	✓	S300C
Teicoplanin 30	✓	-	✓	TEC30C
Temocillin 30 *	-	-	-	TEM30C
Tetracycline 10	✓	-	-	T10C
Tetracycline 30	-	✓	✓	T30C

* Temocillin 30µl is included in CA-SFM standard

Disc Diffusion Susceptibility Testing

MASTDISCS[®]AST

ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	STANDARD			Order Code Cartridges 5 × 50 discs
	BSAC	EUCAST	CLSI	
Ticarcillin 75	✓	-	✓	TC75C
Tigecycline 15	✓	✓	✓	TGC15C
Ticarcillin/clavulanic acid 75-10	✓	-	✓	TIM85C
Tobramycin 10	✓	✓	✓	TN10C
Trimethoprim 2.5	✓	-	-	TM2.5C
Trimethoprim 5	✓	✓	✓	TM5C
Trimethoprim/sulfamethoxazole 1.25-23.75	✓	✓	✓	TS25C
Vancomycin 30	-	-	✓	VA30C
Blank discs	-	-	-	BD0680W/C

MASTDISCS[®]AST

NON CLINICAL ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	Order Code Cartridges 5 × 50 discs
Cefperazone/sulbactam 75-30	SPZ105C/NCE
Colistin Sulphate 10	CO10C/NCE
Colistin Sulphate 25	CO25C/NCE
Enrofloxacin 5	ENF5C/NCE

MASTDISCS[®]AST

SPECIALIST VETERINARY SUSCEPTIBILITY DISCS - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	Order Code	
	Cartridges 5 × 50 discs	Vials 100 discs
Cefquinone 30	CEQ30C/NCE	-
Gamithromycin 15	GAM15C/NCE	-
Pradofloxacin 5	PRA5/NCE	-
Marbofloxacin 5	MAR5/NCE	-
Tildipirison 60	TIP60/NCE	-
Tylosin 30	TY30C/NCE	TY30/NCE

Disc Diffusion Susceptibility Testing

Order No

Product

Mechanism

Packsize (tests)

MASTDISCS[®]AST

ANTIBIOTIC SUSCEPTIBILITY DISCS IN VIALS - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	STANDARD			Order Code Cartridges 5 × 50 discs
	BSAC	EUCAST	CLSI	
Amikacin 30	✓	✓	✓	AK30
Bacitracin 8 units	-	-	-	BA8
Bacitracin 10 units	-	-	-	BA10
Cefpodoxime 10	✓	✓	✓	CPD10
Chloramphenicol 10	✓	-	-	C10
Chloramphenicol 30	✓	✓	✓	C30
Gentamicin 10	✓	✓	✓	GM10
Meropenem 10	✓	✓	✓	MEM10
Metronidazole 2.5	-	-	-	MZ2.5
Metronidazole 5	✓	-	-	MZ5
Nalidixic Acid 30	✓	✓	✓	NA30
Novobiocin 5	-	-	-	NO5
Oxacillin 1	✓	✓	✓	OX1
Penicillin G 1 unit	✓	✓	-	PG1
Penicillin G 2 units	-	-	-	PG2
Rifampicin 5	✓	✓	✓	RP5
Tylosin 30	-	-	-	TY30
Vancomycin 5	✓	✓	-	VA5
Blank discs	-	-	-	BD0638W

MASTDISCS[®]AST

ANTIFUNGAL SUSCEPTIBILITY DISCS IN CARTRIDGES AND VIALS - STOCK RANGE

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

Disc Diffusion Susceptibility Testing

Order No	Product	Mechanism	Packsizes (tests)
----------	---------	-----------	-------------------

MASTDISCS[®] Combi

COMBINATION DISC SETS FOR THE DETECTION OF ANTIBIOTIC RESISTANCE

D52C	Extended Spectrum β Lactamase Set	ES β L	50 tests
D62C	Cefotaxime 30 & Cefotaxime 30/Clavulanic Acid 10	ES β L	150 tests
D63C	Cefepime 30 & Cefepime 30/Clavulanic Acid 10	ES β L	150 tests
D64C	Ceftazidime 30 & Ceftazidime 30/Clavulanic Acid 10	ES β L	150 tests
D66C	Cefpodoxime 10 & Cefpodoxime 10/Clavulanic Acid 1	ES β L	150 tests
D67C	Extended Spectrum β Lactamase Set (CPD10)	ES β L	50 tests
D68C	AmpC & ESBL Detection Set	AmpC/ES?L	50 tests
D69C	AmpC Detection Set	AmpC	50 tests
D72C	AmpC, ESBL & Carbapenemase Detection Set	AmpC/ESBL/Carbapenemase	50 tests
D73C	MAST [®] Carba plus	MBL/KPC/OXA	50 tests

Additional carbapenemase screening and identification tests

PACE-ID 	Colorimetric test for the rapid detection of carbapenemase producing <i>Pseudomonas</i> spp., <i>Acinetobacter</i> spp. and Enterobacterales.	48 tests
D71C	MAST [®] CAT-ID - For presumptive identification of carbapenemase production	250 tests
D74	MAST [®] ICT - screening test for the detection of carbapenemase production in Enterobacterales, <i>Pseudomonas</i> and <i>Acinetobacter</i> spp.	25 tests
TEM30C	To aid presumptive identification of OXA-48 when used with D70C	5 x 50 discs

MASTDISCS[®] AST

PENICILLIN DISCS

For detecting the emergence of penicillin resistance. (vials of 100 discs or 5 x 50 discs in cartridges)

PG1	Penicillin G	1 unit (vials)	1 vial
PG1C	Penicillin G	1 unit (cartridges)	1 pack

HIGH CONTENT AMINOGLYCOSIDE DISCS

The following discs are available to special order and subject to 6 weeks lead time.

For detecting high level aminoglycoside resistance. (vials of 100 discs or 5 x 50 discs in cartridges)

GM500C/NCE	500 μ g	Min order
K1000C	1000 μ g	18 packs
K1000	1000 μ g	Min order
		22 vials

Disc Diffusion Susceptibility Testing

Order No

Product

Packsize

DISCMASTER DISPENSER

Robust and reliable antimicrobial cartridge disc dispensers designed for use with MASTDISCS® Antimicrobial Susceptibility Test Cartridges.

MDD65	MAST® DISCMASTER Dispenser - 6 place	1
SILICA63	Silica Gel Capsule for MAST® DISCMASTER	4
SHD5	Single Cartridge Hand Dispenser	5
CANISTER	Canister for MDD64 models and below	1
CANISTER63	Canister for MDD65 MAST® DISCMASTER Dispenser	1



ZT147 v6.0 CEA 07/19

United Kingdom
Mast Group Ltd.
Mast House
Derby Road, Bootle
Merseyside L20 1EA

Tel: + 44 (0) 151 933 7277
Fax: + 44 (0) 151 944 1332
e-mail: sales@mast-group.com

Germany
Mast Diagnostica GmbH
Feldstrasse 20
DE-23858 Reinfeld

Tel: + 49 (0) 4533 2007 0
Fax: + 49 (0) 4533 2007 68
e-mail: mast@mast-diagnostica.de

France
Mast Diagnostic
12 Rue Jean-Jacques Mention
CS 91106
80011 Amiens CEDEX 1

Tél. + 33 (0) 322 80 80 67
Fax + 33 (0) 322 80 99 22
e-mail: info@mast-diagnostic.fr