



Mast Group Ltd.  
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## EC DECLARATION OF CONFORMITY

We hereby declare that the devices described below comply with those provisions which apply to them of the European Directive 98/79/EC 'on *in vitro* diagnostic medical devices', and are placed on the European market by Mast Group UK through our appointed EC Authorised Representative Mast Diagnostica GmbH, Feldstrasse 20, 23858 Reinfeld, Germany.

This declaration is valid for the IVD medical devices described below on or after the date hereof, and which bear the CE mark. It is also valid for all IVD medical devices described below which are manufactured by Mast and placed on the market on or after the date hereof by third parties with our consent and which bear the CE mark. All supporting documents relating to this declaration are retained at the manufacturer's premises.

Product code	Product description	IVD Directive classification	EDMS code
Various	<b>MAST DISCS® AST</b> – paper antimicrobial susceptibility test (AST) disc products. Each disc contains an antimicrobial agent of stated content in conformance to a recognised AST standard such as European Committee on Antimicrobial Susceptibility Testing - EUCAST or US Clinical and Laboratory Standards Institute - CLSI.	Self-certification Annex III excluding section 6	1402050200 (Code registered - 02/12/2002)  GMDN code - 17005

Standards applied: EN ISO 13485:2016, ISO 9001:2015, EN ISO 14971:2019, EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN ISO 15223-1:2016, EN ISO 15223-2:2010.

Declaration made by .....  Date: 03<sup>rd</sup> March 2021

D N Hogben, Quality Assurance and Regulatory Affairs Manager – Mast Group Ltd.

Document valid till: 26<sup>th</sup> May 2022



European In Vitro Diagnostic Medical Directive 98/79/EC, Annex III – General IVD  
 EC DECLARATION OF CONFORMITY - Self-Certification (Annex III excluding section 6) – General IVD  
 Product Names: MASTDISCS – antimicrobial susceptibility discs in vials and cartridges

**Annex – list of Mast® AST Discs products**

Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
1	AK30C	Amikacin 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
2	AMB20C	Amphotericin B 20ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
3	AP2C	Ampicillin 2ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
4	AP10C	Ampicillin 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
5	SAM20C	Ampicillin10ug/Sulbactam10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
6	AUG3C	Amoxicillin/clavulanic acid 2-1	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
7	AUG30C	Amoxicillin/clavulanic acid 20-10	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
8	ATH15C	Azithromycin 15ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
9	ATM30C	Aztreonam 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
10	BA8	Bacitracin 10 units	CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
11	BA10C	Bacitracin 10 units	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
12	PY100C	Carbenicillin 100ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
13	CFC30C	Cefaclor 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
14	CFB30C	Ceftibuten 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
15	CMD30C	Cefamandole 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
16	CDX30C	Cefadroxil 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
17	CPM30C	Cefepime 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
18	CFM5C	Cefixime 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
19	CPZ75C	Cefoperazone 75ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
20	CTX5C	Cefotaxime 5ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges





Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
21	CTX30C	Cefotaxime 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
22	CTF30C	Cefotiam 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
23	FOX30C	Cefoxitin 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
24	CPD10C	Cefpodoxime 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
25	CZL30	Cefprozil 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
26	CPT5C	Ceftaroline 5ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
27	CPT30C	Ceftaroline 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
28	CZA14C	Ceftazidime/avibactam 10-4	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
29	CZA50C	Ceftazidime/avibactam 30-20	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
30	CAZ10C	Ceftazidime 10ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
31	CAZ30C	Ceftazidime 30ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
32	CRO5C	Ceftriaxone 5ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
33	CRO30C	Ceftriaxone 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
34	C/T40C	Ceftolozone/Tazobactam 30-10	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
35	CXM30C	Cefuroxime 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
36	CFX30C	Cephalexin 30ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
37	KF30C	Cephalothin 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
38	CZ30C	Cephazolin 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
39	C30C	Chloramphenicol 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
40	CIP5C	Ciprofloxacin 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
41	CLA15C	Clarithromycin 15ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
42	CD2C	Clindamycin 2ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
43	CTM10C	Clotrimazole 10ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
44	CO10C/NCE	Colistin Sulphate 10ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
45	DLX5C	Delafloxacin 5ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges





Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
46	DOR10C	Doripenem 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
47	DXT30C	Doxycycline 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
48	ECN10C	Econazole 10ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
49	ERV20C	Eravacycline 20ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
50	ETP10C	Ertapenem 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
51	E15C	Erythromycin 15ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
52	FOT200C	Fosfomycin200ug/Glucose 6 Phosphate 50ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
53	FCN10C	Fluconazole 10ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
54	FCN25C	Fluconazole 25ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
55	FCN25	Fluconazole 25ug	Antifungal	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
56	FY1C	Flucytosine 1ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
57	FC10C	Fusidic Acid 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
58	FDC30C	Cefiderocol 30ug discs	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
59	GM10C	Gentamicin 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
60	GM30C	Gentamicin 30ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
61	GM120C	Gentamicin 120ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
62	IM110C	Imipenem 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
63	IMR35C	Imipenem/relebactam 35ug discs	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
64	K30C	Kanamycin 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
65	KCA10C	Ketoconazole 10ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
66	LEV5C	Levofloxacin 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
67	LZD10C	Linezolid 10ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
68	LZD30C	Linezolid 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
69	MEC10C	Mecillinam 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
70	MEM10C	Meropenem 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges





Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
71	MEM10	Meropenem 10ug	EUCAST/CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
72	MEV30C	Meropenem/Vaborbactam 20-10ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
73	MZ5C	Metronidazole 5ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
74	MZ5	Metronidazole 5ug	CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
75	MCL10C	Miconazole 10ug	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
76	MN30C	Minocycline 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
77	MF5C	Moxifloxacin 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
78	MUP200C	Mupirocin 200ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
79	NA30C	Nalidixic Acid 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
80	NA30	Nalidixic Acid 30ug	EUCAST/CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
81	NE10C	Neomycin 10ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
82	NET10C	Netilmicin 10ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
83	NET30C	Netilmicin 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
84	NI100C	Nitrofurantoin 100ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
85	NI300C	Nitrofurantoin 300ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
86	NIB30C	Nitroxoline 30ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
87	NOR10C	Norfloxacin 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
88	NO5C	Novobiocin 5ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
89	NO5	Novobiocin 5ug	CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
90	NY100C	Nystatin 100 units	Antifungal	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
91	NY100	Nystatin 100 units	Antifungal	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
92	OFX5C	Ofloxacin 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
93	OX1C	Oxacillin 1ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
94	OX5C	Oxacillin 5ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
95	OX1	Oxacillin 1ug	EUCAST/CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials





Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
96	PG1	Penicillin G 1 unit	EUCAST	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
97	PG10C	Penicillin G 10 unit	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
98	PG10	Penicillin G 10 unit	CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
99	PRL30C	Piperacillin 30ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
100	PRL100C	Piperacillin 100ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
101	PTZ36C	Piperacillin/Tazobactam 30-6	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
102	PTZ110C	Piperacillin/Tazobactam 100-10	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
103	SYN15C	Quinupristin/dalfopristin15ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
104	RP5C	Rifampicin 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
105	RP5	Rifampicin 5ug	EUCAST/CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
106	RAX40C	Rifaximin 40ug	MAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
107	SPC100C	Spectinomycin 100ug	CLSI Vet	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
108	S10C	Streptomycin 10ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
109	S300C	Streptomycin 300ug Discs	EUCAST	5x50 discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
110	TEC30C	Teicoplanin 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
111	TEL15C	Telithromycin 15ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
112	TEM30C	Temocillin 30ug	MAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
113	T30C	Tetracycline 30ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
114	TC75C	Ticarcillin 75ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
115	TGC15C	Tigecycline 15ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
116	TIM85C	Timentin 85ug (Ticarcillin 75ug/Clavulanic acid 10ug)	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
117	TN10C	Tobramycin 10ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
118	TM5C	Trimethoprim 5ug	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges





Serial No.	Device ID Number	Product Description	Method of use	Pack Size	Brand Name	Intended purpose of the medical device type
119	TS25C	Cotrimoxazole 25ug (Trimethoprim 1.25ug/Sulphamethosazole 23.75ug)	EUCAST/CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
120	TS25	Cotrimoxazole 25ug (Trimethoprim 1.25ug/Sulphamethosazole 23.75ug)	EUCAST/CLSI	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
121	VA5C	Vancomycin 5ug	EUCAST	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
122	VA5	Vancomycin 5ug	EUCAST	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials
123	VA30C	Vancomycin 30ug	CLSI	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
124	BD0680W/C	Blank discs	N/A	5x50 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Cartridges
125	BD0680W	Blank discs	N/A	100 Discs	MASTDISCS	Antibiotic Susceptibility Testing Discs in Vials



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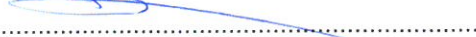
## EC DECLARATION OF CONFORMITY

We hereby declare that the devices described below comply with those provisions which apply to them of the European Directive 98/79/EC 'on *in vitro* diagnostic medical devices', and are placed on the European market by Mast Group UK through our appointed EC Authorised Representative Mast Diagnostica GmbH, Feldstrasse 20, 23858 Reinfeld, Germany.

This declaration is valid for the IVD medical devices described below on or after the date hereof, and which bear the CE mark. It is also valid for all IVD medical devices described below which are manufactured by Mast and placed on the market on or after the date hereof by third parties with our consent and which bear the CE mark. All supporting documents relating to this declaration are retained at the manufacturer's premises.

Product code	Product description	IVD Directive classification	EDMS code
PACE-ID	<b>MAST® CARBA PAcE</b> – A screening test for the rapid detection of carbapenemase producing Enterobacterales, <i>Pseudomonas</i> , OXA 48 and 23-like enzyme production in <i>Acinetobacter</i> .	Self certification Annex III excluding section 6	1402029000 (code registered - 24/03/2003)

Standards applied: EN ISO 13485:2016, ISO 9001:2015, EN ISO 14971:2012, EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN ISO 15223-1:2016, EN ISO 15223-2:2010.

Declaration made by  Date: 31<sup>st</sup> December 2020

D N Hogben, Quality Assurance and Regulatory Affairs Manager – Mast Group Ltd.

Document valid till: 26<sup>th</sup> May 2022





## EC CERTIFICATE – FULL QUALITY ASSURANCE SYSTEM

**In accordance with the requirements of the In Vitro Diagnostic Medical Devices Directive 98/79/EC and the Medical Devices Regulations 2002, UK Statutory Instrument 2002 No. 618**

This is to certify that the Quality Management System of:

**Mast Group Limited  
Mast House, Derby Road,  
Bootle, Merseyside  
United Kingdom**

has been assessed against the requirements of Annex IV of the In Vitro Diagnostic Medical Devices Directive 98/79/EC, and the Medical Devices Regulations 2002 and conforms to the requirements for the products shown on the attached certificate schedule.

Approval is subject to the maintenance of the quality system in accordance with the requirements of the above Directive and Regulations.

Authorisation is hereby given to use the LRQA Notified Body Registration Number in accordance with the requirements of the specified Directives/Regulations in relation to the products as identified above.

Certificate No: LRQ 0932114/C

Original Approval: 25 May 2004

Current Certificate: 1 June 2018

Certificate Expiry: 31 May 2021

LRQA Notified Body Number 0088



Issued by: Lloyd's Register Quality Assurance Limited



## EC CERTIFICATE – FULL QUALITY ASSURANCE SYSTEM CERTIFICATE LRQ 0932114/C SCHEDULE

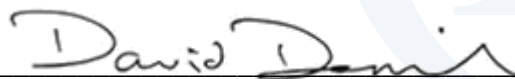
has been assessed against the requirements of Annex IV of the In Vitro Diagnostic Medical Devices Directive 98/79/EC, and the Medical Devices Regulations 2002 and conforms to the requirements for the products shown below:

**Mast Group Limited  
Mast House, Derby Road,  
Bootle, Merseyside  
United Kingdom**

### **Annex II List B Products**

Mastazyme CMV Kit, EIA 802

Schedule Issue: 01  
Date of Schedule Issue: 1 June 2018  
LRQA Notified Body Number 0088



Issued by: Lloyd's Register Quality Assurance Limited



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

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

Holds Certificate Number:

FM 724380

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

**Design, manufacture and supply of in-vitro diagnostic devices and associated services.**

For and on behalf of BSI:

\_\_\_\_\_  
Matt Page, Managing Director Assurance - UK & Ireland

Original Registration Date: 1994-06-14

Latest Revision Date: 2021-12-03

Effective Date: 2021-11-11

Expiry Date: 2024-05-31

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Certificate No: FM 724380

Location	Registered Activities
Mast Group Ltd Mast House, Derby Road Bootle Liverpool L20 1EA United Kingdom	Design, manufacture and supply of in-vitro diagnostic devices and associated services.
Mast Group Ltd Atlantic House, Derby Road Bootle Liverpool L20 1EA United Kingdom	Manufacturing, QC and warehousing of IVD kits and reagents, bacteriological media and other kits and reagents for the life sciences industry.



Original Registration Date: 1994-06-14

Latest Revision Date: 2021-12-03

Effective Date: 2021-11-11

Expiry Date: 2024-05-31

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This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.  
An electronic certificate can be authenticated [online](#).  
Printed copies can be validated at [www.bsigroup.com/ClientDirectory](http://www.bsigroup.com/ClientDirectory)

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000  
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A Member of the BSI Group of Companies.



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016 & EN ISO 13485:2016

This is to certify that:

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

Holds Certificate Number:

**MD 724379**

and operates a Quality Management System which complies with the requirements of ISO 13485:2016 & EN ISO 13485:2016 for the following scope:

Design, manufacture and supply of in-vitro diagnostic devices for clinical microbiology and molecular biology and bacteriological media.

For and on behalf of BSI:

Gary E Slack, Senior Vice President - Medical Devices

Original Registration Date: 2020-10-07

Latest Revision Date: 2021-11-28

Effective Date: 2021-06-01

Expiry Date: 2024-05-31



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Certificate No: **MD 724379**

Location	Registered Activities
Mast Group Ltd Mast House, Derby Road Bootle Liverpool L20 1EA United Kingdom	Design, manufacture and supply of in-vitro diagnostic devices for clinical microbiology and molecular biology and bacteriological media
Mast Group Ltd Atlantic House, Derby Road Bootle Liverpool L20 1EA United Kingdom	Manufacture of IVD kits and reagents for clinical microbiology and molecular biology, bacteriological media.



Original Registration Date: 2020-10-07

Latest Revision Date: 2021-11-28

Effective Date: 2021-06-01

Expiry Date: 2024-05-31

Page: 2 of 2

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Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: + 44 345 080 9000  
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A Member of the BSI Group of Companies.





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**TO WHOM IT MAY CONCERN**

**LETTER OF AUTHORISATION**

This letter is to confirm, SRL SANMEDICO of address A. Corobceanu Street 7A, apt. 9, Chişinău MD-2012, Moldova is authorised to register products, present proposals, offer quotations and accept orders and to participate in tenders as required for Mast Group Limited products.

The undersigned herewith states that the above is true and correct.

Yours faithfully,

A handwritten signature in black ink, appearing to read "Susan Thomson".

Susan Thomson

Bootle UK

December 9th 2021

International business Manager, on behalf of Mast Group







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## MAST® CARBA PAcE

### Intended Use

**PACE-ID.** For the rapid detection of carbapenemase producing Enterobacterales, *Pseudomonas*, OXA 48 and 23-like enzyme production in *Acinetobacter*.

FOR IN VITRO DIAGNOSTIC USE ONLY

### Contents

- **Vial PEL.** Freeze dried pellet\* - 4 vials containing inhibitors and lysis components, each designed for 12 tests.
- **Vial RB.** Reconstitution buffer\* - 4 vials containing chromogenic indicator resuspension buffer, each sufficient for 12 tests.
- Plastic 0.5 ml tubes, sufficient for 48 tests.

### Storage and shelf life

Store at 2 to 8°C in the containers provided until the expiry date shown on the pack label. Allow to equilibrate to room temperature before opening. Once reconstituted, test solution stored at 2 to 8°C, must be used within 4 weeks.

### Precautions

For *in vitro* diagnostic use only. Observe approved biohazard and aseptic techniques. To be used by only trained and qualified laboratory personnel. Sterilise all biohazard waste before disposal. Refer to product safety data sheets.

### Materials required but not provided

Standard microbiological supplies and equipment such as loops, MAST Group Ltd. culture media, table top vortexes, pipettes, incinerators and incubators, etc.

### Procedure

1. Reconstitute the pellet by tipping the entire contents of vial RB into vial PEL.
2. Allow the pellet to fully dissolve at room temperature for 1 minute and mix contents by gently vortexing for 10 seconds. Reconstituted solution should be yellow, if the solution is any other colour do not use.
3. Dispense 250µl of reconstituted solution into the tubes provided. One tube per test.
4. Using a pure, fresh culture of the test organism, take an approximate 1 to 5µl loopful of organism, and add to the tube containing test solution. Mix well by vortexing for 20 seconds.

**Note: to obtain distinct results, ensure that the bacterial resuspension is similar to the turbidity of a 3.0 to 3.5 McFarland standard; Approx. 10<sup>9</sup> CFU/ml.**

5. Incubate at 35±1°C for 10 minutes.
6. Record the colour of the test solution immediately or up to 20 minutes after incubation.

Please refer to corresponding steps on the image page.

### Interpretation of results

If a colour change is recorded; from yellow to orange/red, record the organism as demonstrating carbapenemase activity.

If no colour change is recorded; solution remains yellow, record the organism as negative for carbapenemase activity.

### Quality control

Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate a positive reaction and another to demonstrate a negative reaction. Do not use the product if the reactions with the control organisms are incorrect. The list below illustrates a range of performance control strains which the end user can easily obtain.

Test Organism	Result
<i>Acinetobacter baumannii</i> NCTC 13301	Orange/Red Carbapenemase positive
<i>Pseudomonas aeruginosa</i> NCTC 13437	Orange/Red Carbapenemase positive
<i>Acinetobacter lwoffii</i> ATCC® 15309	Remains Yellow Carbapenemase negative
<i>Pseudomonas aeruginosa</i> ATCC® 25668	Remains Yellow Carbapenemase negative
<i>Klebsiella pneumoniae</i> NCTC 13438	Orange/Red Carbapenemase positive

### Limitations

1. Colonies isolated from indicator media are not recommended.
2. This product only detects the presence of a carbapenemase, differentiation can be carried out by using a suitable genotypic or phenotypic test (for example MASTDISCS® *Combi Carba Plus*; D73C).
3. Some GES-type carbapenemases might be difficult to detect.
4. To avoid potentially erroneous results, ensure that equipment used for testing is free of contamination.
5. Test results must be recorded within 20 minutes following the initial 10 minute incubation.
6. Results obtained with this kit must be considered alongside other clinically relevant data when diagnosing an infection.

### References

Bibliography available on request.

### Acknowledgement

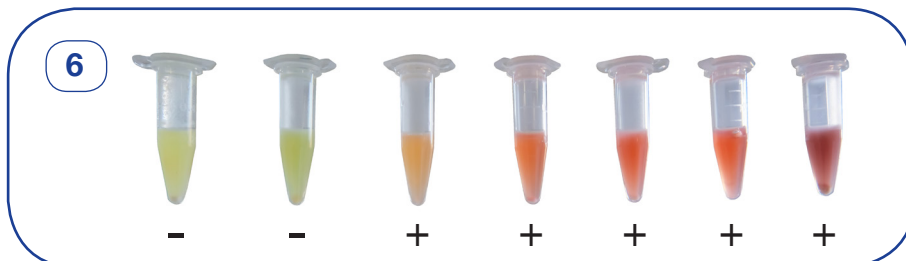
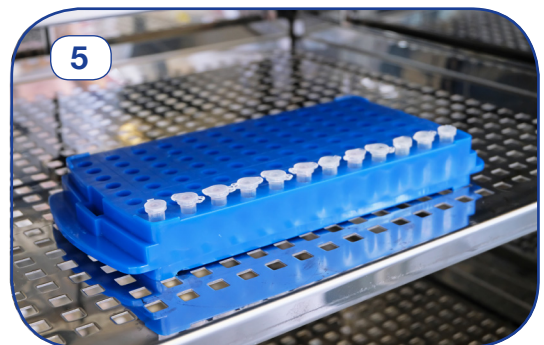
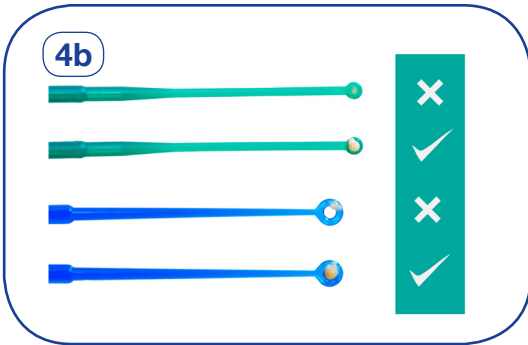
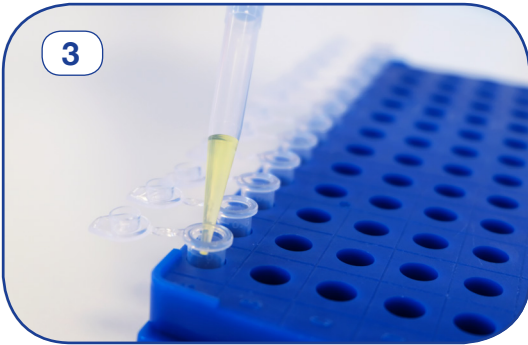
HMRZ compound used in this product was developed by Dr. Hideaki Hanaki of Kitasato, Institute, Japan.



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# MAST<sup>®</sup> CARBA PACe

*Pseudomonas*, *Acinetobacter*, Enterobacterales  
Rapid carbapenemase detection



- Rapid results in less than 10 minutes
- Simple test process in 5 easy steps
- Cost effective screening solution
- High sensitivity and specificity



# MAST<sup>®</sup> CARBA PAcE

An increase in antimicrobial resistance is one of the most urgent global challenges facing the field of healthcare. Healthcare associated infections (HAI) are one of the most common adverse effects in care delivery and the occurrences of epidemics of HAI are a major public health problem (WHO 2017).

Carbapenem resistant Gram negative bacteria, including Enterobacterales (CRE), *Pseudomonas aeruginosa* and *Acinetobacter baumannii* are an emerging cause of HAI and accordingly a global public healthcare concern due to high levels of antimicrobial resistance and ability for widespread transmission. It is important to recognise carriers quickly to prevent and control the spread in nosocomial and community settings and also to aid antibiotic stewardship.

## MAST<sup>®</sup> CARBA PAcE

**Mast Group Ltd.** remains at the forefront of the fight against such threats and as such has developed a colorimetric test which rapidly detects carbapenemase producing *Pseudomonas* spp., *Acinetobacter* spp. and Enterobacterales using a novel chromogenic cephalosporin analogue for which there is a patent pending for its application.

The new **MAST<sup>®</sup> CARBA PAcE** is a simple cost effective screening solution providing fast results within 10 minutes, yet reliable in detecting carbapenemase production to support patient treatment. Additionally, no special equipment is required allowing it to be easily integrated into any laboratory workflows.

The basis of this colorimetric test is the hydrolysis of the chromogenic cephalosporin analogue, eliminating the effects of ESBL and AmpC enzymes using suitable inhibitor compounds, providing specific carbapenemase detection. Therefore only distinguishing epidemiologically significant carbapenem resistance, avoiding unnecessary patient isolation.

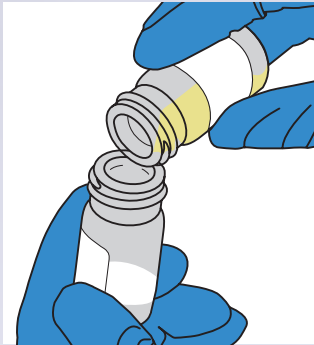
## Benefits of MAST<sup>®</sup> CARBA PAcE

<b>Rapid time to result</b>	<ul style="list-style-type: none"><li>– Once the test organism is added to the test solution results are available within 10 minutes</li></ul>
<b>Cost effective</b>	<ul style="list-style-type: none"><li>– Conveniently contains 48 tests per kit, allowing quick identification of carbapenemase producers, assisting with prompt isolation of carriers to prevent cross transmission</li></ul>
<b>Easily integrated into any laboratory</b>	<ul style="list-style-type: none"><li>– Requiring only standard microbiological supplies making this adaptable to any laboratory workflows</li></ul>
<b>Easy to Use</b>	<ul style="list-style-type: none"><li>– Simple test procedure, with 5 simple steps (see figure 1), colour change from yellow to orange/red indicates carbapenemase activity</li></ul>
<b>Quality</b>	<ul style="list-style-type: none"><li>– Validated using a panel of organisms including VIM, IMP, NDM, OXA-48-like, OXA-23 and KPC high sensitivity and specificity of 96% and 91% respectively</li></ul>
<b>Complementary molecular range</b>	<ul style="list-style-type: none"><li>– Provides a quality first tier screen prior to molecular detection and characterisation using <b>MAST ISOPLEX<sup>®</sup> CRE-ART</b>.</li></ul>

# MAST<sup>®</sup> CARBA PACe

## Simple test Process

### Reconstitute



Reconstitute the pellet by tipping the entire contents of vial RB into vial PEL.



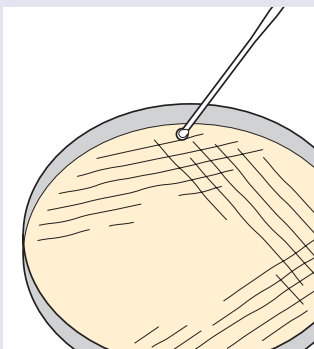
Allow the pellet to fully dissolve at room temperature for 1 minute and mix contents by gently vortexing for 10 seconds.

### Dispense

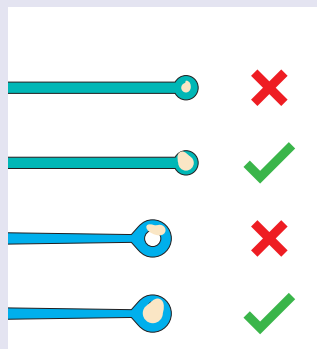


Dispense 250µl of reconstituted solution into the tubes provided. One tube per test.

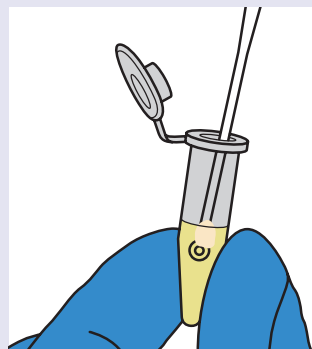
### Inoculate



Use a pure, fresh culture of the test organism.



Take an approximate 1 - 5µl loopful of organism.

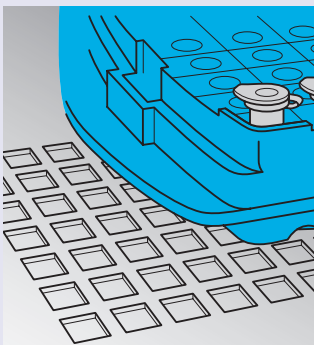


Add to the tube containing test solution.



Mix well by vortexing for 20 seconds.

### Incubate



Incubate at 35±1°C for 10 minutes.

### Read by eye



Record the colour of the test solution immediately or up to 20 minutes after incubation.

## Ordering Information

Order Code	Product	Pack Size	No. Tests
PACE-ID	MAST <sup>®</sup> CARBA PAcE For the rapid detection of carbapenemase producing Enterobacterales, <i>Pseudomonas</i> spp. & <i>Acinetobacter</i> spp.	4 x 12 tests	48

## Additional products from Masts AMR range

Order Code	Product	Pack Size	No. Tests
DNA/LYO5	MAST ISOPLEX <sup>®</sup> CRE-ART	10	10
D73C	MASTDISCS <sup>®</sup> Combi Carba plus	5 x 50 discs	50
D72C	MASTDISCS <sup>®</sup> Combi AmpC, ESBL & Carbapenemase Detection Set	6 x 50 discs	50
D74	MAST <sup>®</sup> ICT Indirect Carbapenemase Test	25	25
D71C	MASTDISCS <sup>®</sup> ID CAT-ID - Carbapenemase Activity Test	5 x 50 discs	250

### References

Guidelines for the prevention and control of carbapenem-resistant Enterobacteriaceae, *Acinetobacter baumannii* and *Pseudomonas aeruginosa* in health care facilities. World Health Organisation 2017.

Acute trust toolkit for the early detection, management and control of carbapenemase-producing Enterobacteriaceae (Published: December 2013  
PHE publications gateway number: 2013314)

### Acknowledgement

HMRZ compound used in this product was developed by Dr. Hideaki Hanaki of Kitasato Institute, Japan.

ZT223 v3.0 CA 02/20

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## MASTDISCS®

### Antimicrobial Susceptibility Test Discs

**MASTDISCS®.** An extensive range of individual antimicrobial susceptibility test discs in glass vials and plastic dispensing cartridges.

FOR IN VITRO DIAGNOSTIC USE ONLY

**Contents:** 100 discs in a vial or a pack of 5 cartridges each cartridge containing 50 discs.

#### Formulation\*

6mm diameter filter paper discs printed with an appropriate identification code of letters and/or numbers and impregnated with accurately assayed quantities of antimicrobial agent.

#### Storage and shelf life

Store at 2 to 8°C in the containers provided until the expiry date shown on the pack label. Allow to equilibrate to room temperature before opening. Return to the refrigerator promptly after use.

#### Precautions

For *in vitro* diagnostic use only. Observe approved biohazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilise all biohazard waste before disposal. Refer to Product Safety Data sheet.

#### Materials required but not provided

Standard microbiological supplies and equipment such as loops, MAST® culture media, swabs, applicator sticks, incinerators and incubators, etc., as well as serological and biochemical reagents and additives such as blood. Suitable interpretive criteria from standardised reference methods. MAST® DiscMaster Dispenser.

#### Procedure

**MASTDISCS®** should be used according to an appropriate standardised susceptibility test method. Various alternative methodologies are available and **MASTDISCS®** are compatible with these.

1. Remove the **MASTDISCS®** container from the refrigerator and allow to equilibrate to room temperature before opening.
2. Using a sterile needle or forceps, transfer each disc required onto the surface of a suitable plate of MAST® susceptibility test medium e.g. Mueller-Hinton Agar (DM170) dried and pre-inoculated with test organism according to the methodology followed.
3. If using **MASTDISCS®** in cartridges, load each cartridge required into a MAST® DiscMaster Dispenser.

4. Place the loaded DiscMaster Dispenser over the Petri Dish and dispense discs (see DiscMaster instructions for full details).
5. Incubate plates in air at 35 to 37°C for 18 to 24 hours (or alternative incubation conditions according to the methodology followed).
6. Measure (to the nearest whole mm) and record the diameter of any zones of inhibition that are observed around the antibiotic impregnated discs.

#### Interpretation of results

Interpret measured zones of inhibition by reference to published tables of critical zone diameter breakpoints provided by appropriate authorities and classify test isolate as Susceptible (S), Intermediate (I) or Resistant (R).

#### Quality control

Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate a correct susceptibility pattern. Do not use the product if the reactions with the control organisms are incorrect. The list below illustrates a range of performance control strains which the end user can easily obtain.

Test Organisms	
<i>Escherichia coli</i> ATCC® 25922	Correct susceptibility pattern*
<i>Pseudomonas aeruginosa</i> ATCC® 27853	Correct susceptibility pattern*
<i>Staphylococcus aureus</i> ATCC® 25923	Correct susceptibility pattern*

\*See appropriate quality control table

#### Limitations

Any deviation from the prescribed method may produce incorrect results.

**The latest published version of the method used should be consulted for complete details of test procedures and interpretive criteria.**

#### References

Bibliography available on request.

# **mastdiscs**<sup>TM</sup>

Testsysteme für die  
antimikrobielle Empfindlichkeitstestung  
und bakterielle Identifizierung



- Umfangreiche Auswahl an Testblättchen und Testringen
- Höchste Qualitätsstandards
- Gemäß EUCAST Richtlinien
- Kundenspezifische Sonderanfertigungen auf Anfrage

Die Mast Group ist seit 1957 erfolgreicher Produzent von Produkten für die antimikrobielle Empfindlichkeitstestung und nimmt auch zukünftig seine Verantwortung bei der Entwicklung und dem Vertrieb qualitativ hochwertiger Produkte für den klinischen Sektor wahr. Mit einem stetig wachsenden Produktportfolio an Testblättchen und Testkits für spezifische Fragestellungen im Bereich der antimikrobiellen Empfindlichkeitstestung und bakteriellen Identifizierung verfügt die Mast Group weltweit über eines der umfangreichsten Produktsortimente auf dem Markt.

Agardiffusionstests mittels Testblättchen sind immer noch die Methode der Wahl zur schnellen und einfachen Bestimmung der antibiotischen Empfindlichkeit von isolierten Erregern bei Infektionskrankheiten. Dies wird insbesondere durch nationale und internationale standardisierte Verfahren verschiedener Kommissionen und Institute wie das Deutsche Institut für Normung (DIN), The European Committee on Antimicrobial Susceptibility Testing (EUCAST), The Clinical and Laboratory Standards Institute (CLSI) und The British Society for Antimicrobial Chemotherapy (BSAC) verdeutlicht.

MASTDISCS™ umfassen eine umfangreiche Auswahl an verschiedenen antibiotischen Substanzen und sind in Form von Testblättchen in Kartuschen oder Flakons erhältlich. Alle Produkte erfüllen höchste Qualitätsstandards in Übereinkunft mit den standardisierten Testprotokollen der genannten nationalen und internationalen Organisationen.

### Sonderanfertigungen:

Mast bietet den besonderen Service, kundenspezifische Sonderanfertigungen auf Anfrage zu produzieren.

1 Flakon mit 100 losen Testblättchen (Mindestabnahme: 20 Flakons je Sorte)

1 Packung mit 5 Kartuschen zu je 50 Testblättchen (Mindestabnahme: 20 Packungen je Sorte)

Für weitere Details bezüglich Beschaffungs- und Lieferzeiten kontaktieren sie bitte den Kundenservice!



## Antibiotika-Testblättchen in Flakons und Kartuschen

1 Flakon mit 100 losen Blättchen

1 Packung mit 5 Kartuschen zu je 50 Blättchen

Antibiotika	CODE	Beladung (µg)		Art.-Nr. Flakon	Art.-Nr. Kartuschen
Amikacin	AK	30	EUCAST	110120	110124
Amoxicillin	A	2		-	110134
Amoxicillin	A	10		110130	110135
Amoxicillin	A	25		-	110132
Amoxicillin/Clavulansäure	AUG	2/1	EUCAST	110118	110117
Amoxicillin/Clavulansäure	AUG	20/10	EUCAST	110112	110116
Ampicillin	AP	2	EUCAST	110136	110129
Ampicillin	AP	10	EUCAST	110121	110122
Ampicillin	AP	25		-	110125
Ampicillin/Sulbactam	SAM	10/10	EUCAST	-	110127
Ampicillin/Sulbactam	SAM	20/10		-	110128
Apramycin	APR	30		110111	110115
Augmentan	AUG	2/1	EUCAST	110118	110117
Augmentan	AUG	20/10	EUCAST	110112	110116
Azithromycin	ATH	15		-	110145
Aztreonam	ATM	30	EUCAST	110142	110146
Bacitracin	BA	8		110310	-
Bacitracin	BA	10 I.U.		110311	110312
Carbenicillin	PY	100		-	113017
Cefaclor	CFC	30	EUCAST	-	113049
Cefadroxil	CDX	30	EUCAST	-	113057



<b>Antibiotika</b>	<b>CODE</b>	<b>Beladung (µg)</b>		<b>Art.-Nr. Flakon</b>	<b>Art.-Nr. Kartuschen</b>
Cefalexin	CFX	30	EUCAST	113131	113132
Cefalotin	K F	30		-	113012
Cefamandol	CMD	30		-	113030
Cefazolin	CZ	30		-	113054
Cefepim	CPM	30	EUCAST	-	113002
Cefixim	CFM	5	EUCAST	113062	113058
Cefoperazon	CPZ	30		-	113055
Cefotaxim	CTX	5	EUCAST	-	113116
Cefotaxim	CTX	10		-	113064
Cefotaxim	CTX	30		113043	113018
Cefotiam	CTF	30		-	113059
Cefoxitin	FOX	10		113091	113092
Cefoxitin	FOX	30	EUCAST	-	113133
Cefpodoxim	CPD	10	EUCAST	113151	113152
Cefprozil	CZL	30		-	113039
Cefradin	CRD	30		-	113066
Ceftarolin	CPT	5	EUCAST	-	113156
Ceftarolin	CPT	30		-	113158
Ceftazidim	CAZ	10	EUCAST	-	113079
Ceftazidim	CAZ	30		113014	113013
Ceftibuten	CFB	30	EUCAST	-	113072
Ceftriaxon	CRO	5		-	113009
Ceftriaxon	CRO	30	EUCAST	113047	113056
Cefuroxim	CXM	5	EUCAST	113085	113086
Cefuroxim	CXM	30	EUCAST	113052	113050
Chloramphenicol	C	10		113020	113024
Chloramphenicol	C	30	EUCAST	113011	113016
Ciprofloxacin	CIP	1		113069	113023
Ciprofloxacin	CIP	5	EUCAST	113141	113142
Clarithromycin	CLA	2		-	113036
Clarithromycin	CLA	5		-	113034
Clarithromycin	CLA	15		113061	113060
Clindamycin	CD	2	EUCAST	113021	113022
Clindamycin	CD	10		-	113033
Cloxacillin	CX	5		-	113032
Colistinsulfat	CO	10		-	113114
Colistinsulfat	CO	25		113111	113113
Cotrimoxazol	TS	1,25/23,75	EUCAST	113121	113122
Doripenem	DOR	10	EUCAST	-	110402
Doxycyclin	DXT	30		-	111412
Enrofloxacin	ENF	5		-	110510
Ertapenem	ETP	10	EUCAST	-	110502
Erythromycin	E	5		110519	110520
Erythromycin	E	10		-	110516
Erythromycin	E	15	EUCAST	-	110515
Florfenicol	FFC	30		-	110619
Fosfomycin/Glucose-6-phosph.	FOT	50		-	110626
Fosfomycin/Glucose-6-phosph.	FOT	200		-	110621
Fusidinsäure	FC	10	EUCAST	110615	110617
Gatifloxacin	GAT	5		-	110704

<b>Antibiotika</b>	<b>CODE</b>	<b>Beladung (µg)</b>		<b>Art.-Nr. Flakon</b>	<b>Art.-Nr. Kartuschen</b>
Gentamicin	GM	10		EUCAST 110711	110712
Gentamicin	GM	30		EUCAST -	110717
Gentamicin	GM	120		-	110718
Gentamicin	GM	200		110723	110724
Imipenem	IMI	10		EUCAST 110911	110913
Kanamycin	K	30		-	111112
Levofloxacin	LEV	1		-	111244
Levofloxacin	LEV	5		EUCAST -	111242
Linezolid	LZD	10		EUCAST 111245	111246
Linezolid	LZD	30		-	111240
Marbofloxacin	MAR	5		-	111355
Mecillinam	MEC	10		EUCAST -	111332
Meropenem	MEM	10		EUCAST 111351	111352
Metronidazol	MZ	2.5		111337	-
Metronidazol	MZ	5		111323	111328
Mezlocillin	MEZ	30		-	111320
Mezlocillin	MEZ	75		-	111322
Minocyclin	MN	30		EUCAST -	111340
Moxifloxacin	MXF	1		-	111362
Moxifloxacin	MXF	5		EUCAST -	111364
Mupirocin	MUP	5		111325	111330
Mupirocin	MUP	20		-	111346
Mupirocin	MUP	200		EUCAST -	111342
Nalidixinsäure	NA	30		EUCAST 111424	111426
Neomycin	NE	10		EUCAST 111421	111436
Neomycin	NE	30		111423	111429
Netilmicin	NET	10		EUCAST -	111438
Netilmicin	NET	30		-	111434
Nitrofurantoin	N I	50		-	111435
Nitrofurantoin	N I	100		EUCAST -	111427
Nitrofurantoin	N I	200		-	111452
Nitrofurantoin	N I	300		-	111432
Norfloxacin	NOR	2		-	111442
Norfloxacin	NOR	10		EUCAST 111431	111433
Novobiocin	NO	5		111461	111463
Novobiocin	NO	30		-	111465
Ofloxacin	OFX	5		EUCAST 111514	111516
Oleandomycin	OL	15		-	111517
Oxacillin	OX	1		EUCAST 111511	111515
Oxacillin	OX	5		-	111532
Oxytetracyclin	OT	30		-	111522
Pefloxacin	PEF	5		EUCAST -	111634
Penicillin G	PG	1	I.U.	EUCAST 111605	111606
Penicillin G	PG	2	I.U.	111608	-
Penicillin G	PG	10	I.U.	111611	111614
Piperacillin	PRL	30		EUCAST -	111618
Piperacillin	PRL	75		-	111617
Piperacillin	PRL	100		-	111616
Piperacillin/Tazobactam	PTZ	30/6		EUCAST -	111628
Piperacillin/Tazobactam	PTZ	75/10		112035	112036
Piperacillin/Tazobactam	PTZ	100/10		-	111642

Antibiotika	CODE	Beladung (µg)		Art.-Nr. Flakon	Art.-Nr. Kartuschen
Polymyxin B	PB	300	I.U.	111631	111632
Quinupristin/Dalfopristin	SYN	15		EUCAST	111948
Rifampicin	RP	2		-	111809
Rifampicin	RP	5		EUCAST	111815
Roxithromycin	ROX	15		-	111818
Spectinomycin	SPC	25		-	111927
Streptomycin	S	10		-	111925
Streptomycin	S	300		-	111946
Sulbactam/Piperacillin	SPR	30/100		-	111954
Sulfafurazol	SF	300		-	111936
Synercid	SYN	15		EUCAST	-
Teicoplanin	TEC	30		EUCAST	112024
Telithromycin	TEL	15		EUCAST	-
Temocillin	TEM	30		-	112038
Tetracyclin	T	10		112030	112029
Tetracyclin	T	30		EUCAST	112011
Ticarcillin	TC	75		EUCAST	-
Ticarcillin/Clavulansäure	TIM	75/10		EUCAST	112019
Tigecycline	TGC	15		EUCAST	-
Timentin	TIM	75/10		EUCAST	-
Tobramycin	TN	10		EUCAST	112017
Tobramycin	TN	30		-	112058
Trimethoprim	TM	2,5		112016	112025
Trimethoprim	TM	5		EUCAST	-
Trimethoprim / Sulfamethoxazol	TS	1,25/23,75		EUCAST	113121
Tylosin	TY	30		112013	112015
Vancomycin	VA	5		EUCAST	112027
Vancomycin	VA	30		112021	112023
Testblättchen ohne Beladung	-	-		110100	110110

**mastdiscs™**  
AST

## Antimykotika-Testblättchen in Flakons und Kartuschen

1 Flakon mit 100 losen Blättchen (bei Sonderanfertigung Mindestabnahme: 20 Flakons je Sorte)

1 Packung mit 5 Kartuschen zu je 50 Blättchen (bei Sonderanfertigung Mindestabnahme: 20 Packungen je Sorte)

Antibiotika	CODE	Beladung (µg)		Art.-Nr. Flakon	Art.-Nr. Kartuschen
Amphotericin B	AMB	20		190111	190112
Clotrimazol	CTM	10		-	190312
Econazol	ECN	10		-	190512
Fluconazol	FCN	10		-	190622
Fluconazol	FCN	25		190631	190632
Flucytosin	FY	1		190611	190612
Ketoconazol	KCA	10		-	191112
Miconazol	MCL	10		191311	191312
Nystatin	NY	100		191421	191422



**Flakon:** 100 Testblättchen  
**Flakon\*:** 50 Testblättchen  
**Kartuschen:** 5 x 50 Testblättchen

Bezeichnung	Zur Identifizierung von:	Art.-Nr. Flakon	Art.-Nr. Kartuschen
δ-Aminolaevulinsäure	Haemophilus spp.	171049	-
X Factor	Haemophilus spp.	171031	171032
V Factor	Haemophilus spp.	171041	171042
X+V Factor	Haemophilus spp.	171051	171053
Bacitracin (0.04 I.U.)	Gruppe A Streptococci	171010	171016
Bacitracin (0.1 I.U.)	Gruppe A Streptococci	171011	171013
Kanamycin, 1000 µg	Staphylokokken und Mikrokokken	171081	171082
Lysostaphin, 20 µg	Staphylokokken und Mikrokokken	171048 *	-
Metronidazol, 50 µg		171061	171062
Sulfathiazol, 1000 µg		171071	171072
Trimethoprim, 5 µg		112026	-
Nitrocefin, 20 µg	β-Laktamase-Bildnern	171059 *	-
Novobiocin, 5 µg	Staphylokokken	111461	111463
Novobiocin, 30 µg	Staphylokokken	-	111465
Optochin, 5 µg	Strep. pneumoniae	171021	171022

Bezeichnung	Inhalt	Art.-Nr.
TRG 100 GP	für Gram positive Keime	Dose à 25 Ringe 261000
TRG 30 GN	für Gram positive Keime (Erreger von Harnwegsinfektionen)	Dose à 25 Ringe 260300
TRG 40	für Gram positive Keime (Erreger von Harnwegsinfektionen)	Dose à 25 Ringe 260400
TRG 8 Vet 1	für die Veterinärmedizin	Dose à 25 Ringe 260080
TRG 9 Vet 2	für die Veterinärmedizin	Dose à 25 Ringe 260090
S: M5	für Gram positive Keime	Dose à 100 Ringe 100051
S: M43	für Gram positive Keime	Dose à 100 Ringe 100051
S: M14	für Gram negative Keime (Erreger von Harnwegsinfektionen)	Dose à 100 Ringe 100051
S: M26	für Gram negative Keime	Dose à 100 Ringe 100051
S: M51	für Gram negative Keime	Dose à 100 Ringe 100051

In der folgenden Tabelle sind die unterschiedlichen Ringsysteme mit der jeweiligen Antibiotika-Beladungsmenge (in µg) aufgeführt

Testring Antibiotika	TRG 100 GP	TRG 30 GN	TRG 40	TRG 8 Vet 1	TRG 9 Vet 2	S M5	S M43	S M14	S M26	S M51
Amikacin	30	10								
Amoxicillin			10							
Ampicillin				10		10		10	25	25
Augmentin										30
Azlocillin		30	30							
Carbenicillin										
Cefaclor			30							
Cefalotin		30						5		
Cefazolin	30									
Cephalexin										30
Chloramphenicol				30		25			50	
Ciprofloxacin										5
Clindamycin							2			
Colistinsulfat								25	100	
Cotrimoxazol		25	25	25				25		
Doxycyclin			30							
Erythromycin	15			15			5			
Fusidinsäure							10			
Gentamicin		10		10			10	10		10
Kanamycin									30	
Lincomycin	15				15					
Methicillin										
Mezlocillin	30									
Nalidixinsäure		30							30	30
Neomycin					30					
Nitrofurantoin		100	100	100					50	50
Novobiocin										
Oxacillin	5				5					
Penicillin G	10 U			10 U		1 U	1 U			
Pipemidsäure			20							
Polymyxin B					300 U					
Spectinomycin					10					
Streptomycin					25	10		10	25	
Sulfamethizol					300					
Sulfamethoxazol							25			
Sulfatriad						200		200		
Tetracyclin	30	30		30		25	10	25	100	
Tobramycin			10							
Trimethoprim							1,25			2,5
Tylosin					30					

Bezeichnung	Inhalt	Kartuschen à 50 Blättchen	Art.-Nr.
ESBL-Set D62C* Cefotaxim (CTX)	CTX 30 µg / CTX 30 µg + Clavulansäure 10 µg	3 x 2 Kartuschen	171622
ESBL-Set D63C Cefepim (CPM)	CPM 30 µg / CPM 30 µg + Clavulansäure 10 µg	3 x 2 Kartuschen	171632
ESBL-Set D64C* Ceftazidim (CAZ)	CAZ 30 µg / CAZ 30 µg + Clavulansäure 10 µg	3 x 2 Kartuschen	171642
ESBL-Set D66C Cefpodoxim (CPD)	CPD 10 µg / CPD 10 µg + Clavulansäure 10 µg	3 x 2 Kartuschen	171662
ESBL-Set D52C (nach CLSI)	CTX 30 µg / CTX 30 µg + Clavulansäure 10 µg CAZ 30 µg / CAZ 30 µg + Clavulansäure 10 µg CPD 30 µg / CPD 30 µg + Clavulansäure 10 µg	6 Kartuschen	171672
ESBL-Set D67C	CTX 30 µg / CTX 30 µg + Clavulansäure 10 µg CAZ 30 µg / CAZ 30 µg + Clavulansäure 10 µg CPD 10 µg / CPD 10 µg + Clavulansäure 1 µg	6 Kartuschen	171672
AmpC & ESBL-Set D68C Cefpodoxim (CPD)	CPD 10 µg CPD 10 µg + ESBL Inhibitor CPD 10 µg + AmpC Inhibitor CPD 10 µg + ESBL Inhibitor + AmpC Inhibitor	4 Kartuschen	171682
AmpC Set D69C Cefpodoxim (CPD)	CPD 10 µg + AmpC Inducer CPD 10 µg + AmpC Inducer + ESBL Inhibitor CPD 10 µg + AmpC Inducer + ESBL Inhibitor + AmpC Inhibitor	3 Kartuschen	171692
Carbapenemase-Set D70C Meropenem (MEM)	MEM 10 µg MEM 10 µg + MBL Inhibitor MEM 10 µg + KPC Inhibitor MEM 10 µg + AmpC Inhibitor	4 Kartuschen	171702
Carbapenemase Aktivitätstest (CAT) D71C	Faropenem 10 µg	5 Kartuschen	171712

\* zur Bestätigung müssen D62C und D64C verwendet werden.



**Zuverlässiger und robuster Dispenser für Testblättchen**

Produktbezeichnung	Art.-Nr.
DiscMaster™ Dispenser MDD63 für 6 Mast-Kartuschen (inkl. Aufbewahrungsbehälter)	773063

V. 2015-08-06

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IVD solutions through partnership



# MASTDISCS<sup>®</sup>

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**<sup>®</sup> development and **mastpharma**<sup>®</sup> 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**<sup>®</sup> 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		Packsizes
<b>MASTDISCS<sup>®</sup> AST - ANTIBIOTIC SUSCEPTIBILITY DISCS IN CARTRIDGES AND VIALS</b>			
<b>MASTDISCS<sup>®</sup> in Cartridges (5 × 50 discs per pack)</b>			
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
<b>MASTDISCS<sup>®</sup> (100 discs per vial)</b>			
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**<sup>®</sup>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 <b>NEW</b>	-	-	✓	DLX5C
Doripenem 10	-	✓	✓	DOR10C
Doxycycline 30	✓	-	✓	DXT30C
Eravacycline 20 <b>NEW</b>	-	✓	✓	ERV20C
Ertapenem 10	✓	✓	✓	ETP10C
Erythromycin 5	✓	-	-	E5C
Erythromycin 15	-	✓	✓	E15C
Florfenicol 30	-	-	-	FFC30

◆ Selected individually priced discs

# Disc Diffusion Susceptibility Testing

**MASTDISCS**<sup>®</sup>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 <b>Coming Soon</b>	-	-	✓	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 <b>NEW</b>	-	✓	✓	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 <b>*</b>	-	-	-	TEM30C
Tetracycline 10	✓	-	-	T10C
Tetracycline 30	-	✓	✓	T30C

\* Temocillin 30µl is included in CA-SFM standard

# Disc Diffusion Susceptibility Testing

**MASTDISCS**<sup>AST</sup>

## 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**<sup>AST</sup>

## 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**<sup>AST</sup>

## 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<sup>AST</sup>

### ANTIBIOTIC SUSCEPTIBILITY DISCS IN VIALS - STOCK RANGE

Description Antibiotic & Content µg per disc (unless otherwise stated)	STANDARD			Order Code
	BSAC	EUCAST	CLSI	Cartridges 5 × 50 discs
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<sup>AST</sup>

### 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	Packsize (tests)
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## MASTDISCS<sup>®</sup> Combi

### COMBINATION DISC SETS FOR THE DETECTION OF ANTIBIOTIC RESISTANCE

D52C	Extended Spectrum $\beta$ Lactamase Set	ES $\beta$ L	50 tests
D62C	Cefotaxime 30 & Cefotaxime 30/Clavulanic Acid 10	ES $\beta$ L	150 tests
D63C	Cefepime 30 & Cefepime 30/Clavulanic Acid 10	ES $\beta$ L	150 tests
D64C	Ceftazidime 30 & Ceftazidime 30/Clavulanic Acid 10	ES $\beta$ L	150 tests
D66C	Cefpodoxime 10 & Cefpodoxime 10/Clavulanic Acid 1	ES $\beta$ L	150 tests
D67C	Extended Spectrum $\beta$ Lactamase Set (CPD10)	ES $\beta$ 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 <sup>®</sup> Carba plus	MBL/KPC/OXA	50 tests

### Additional carbapenemase screening and identification tests

PACE-ID <b>NEW</b>	Colorimetric test for the rapid detection of carbapenemase producing <i>Pseudomonas</i> spp., <i>Acinetobacter</i> spp. and Enterobacterales.		48 tests
D71C	MAST <sup>®</sup> CAT-ID - For presumptive identification of carbapenemase production		250 tests
D74	MAST <sup>®</sup> 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<sup>®</sup> 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 $\mu$ g	Min order
K1000C	1000 $\mu$ g	18 packs
K1000	1000 $\mu$ 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



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