

Antimicrobial susceptibility discs, in cartridges



50

The Oxoid system of antimicrobial susceptibility testing (AST) is the disc diffusion method which remains the most widely used test. Performed with care, using adequate controls, it is as accurate as more costly and complicated tests. In common with all other methods it cannot mimic the in vivo environment but it does uniquely show the effect of a changing antimicrobial concentration (first rising and then falling) on an increasing microbial population.

Antimicrobial susceptibility discs

The paper discs used in the diffusion method are made from paper which conforms to the WHO and FDA standards. Impregnation of the discs ensures that prepared solutions of antimicrobials are accurately applied across the paper. The drying procedures used do not affect this uniform distribution or cause deterioration in activity of the antimicrobial.

Discs are presented in cartridges for dispensing either individually with ejectors or with the dispenser system. There are 50 discs per cartridge, 5 cartridges per pack. Each cartridge is individually sealed together with a molecular sieve to maintain low moisture levels. The cartridge is packed in a foil-covered see-through blister designed to allow better control and storage of discs in use.

Discs in routine use should be stored at 2°C to 8°C.

A

Catalogue No	Description	Symbol	Levels, µg
CT107B	Amikacin	AK	30
CT060B	Amoxycillin	AML	2
CT161B	Amoxycillin	AML	10
CT061B	Amoxycillin	AML	25
CT538B	Amoxycillin/Clavulanic acid	AMC	3
CT223B	Amoxycillin/Clavulanic acid	AMC	30
CT002B	Ampicillin	AMP	2
CT003B	Ampicillin	AMP	10
CT004B	Ampicillin	AMP	25
CT520B	Sulbactam/Ampicillin	SAM	20
CT1653B	Ampicillin/Sulbactam 2:1	SAM	30
CT545B	Apramycin	APR	15
CT906B	Azithromycin	AZM	15
CT264B	Aztreonam	ATM	30

B

Catalogue No	Description	Symbol	Levels, µg
CT005B	Bacitracin	AB	10

C

Catalogue No	Description	Symbol	Levels, µg
CT006B	Carbenicillin	CAR	100
CT149B	Cefaclor	CEC	30
CT453B	Cefadroxil	CFR	30
CT108B	Cefamandole	MA	30
CT771B	Cefepime	FEP	30
CT653B	Cefixime	CFM	5
CT193B	Cefoperazone	CFP	30
CT249B	Cefoperazone	CFP	75
CT407B	Cefotaxime	CTX	5
CT166B	Cefotaxime	CTX	30
CT665B	Cefotetan	CTT	30
CT119B	Cefoxitin	FOX	30
CT1412B	Cefpirome	CPO	30
CT1612B	Cefpodoxime	CPD	10
CT263B	Cefsulodin	CFS	30
CT412B	Ceftazidime	CAZ	30
CT477B	Ceftizoxime	ZOX	30
CT417B	Ceftriaxone	CRO	30
CT406B	Cefuroxime/Sodium	CXM	5
CT127B	Cefuroxime/Sodium	CXM	30
CT007B	Cephalexin	CL	30
CT010B	Cephalothin	KF	30
CT011B	Cephazolin	KZ	30
CT063B	Cephadrine	CE	30

C

Catalogue No	Description	Symbol	Levels, µg
CT012B	Chloramphenicol	C	10
CT013B	Chloramphenicol	C	30
CT014B	Chloramphenicol	C	50
CT1629B	Ceftazidime	CAZ	10
CT623B	Ciprofloxacin	CIP	1
CT1615B	Ciprofloxacin	CIP	10
CT1599B	Clarithromycin	CLR	2
CT1623B	Clarithromycin	CLR	5
CT693B	Clarithromycin	CLR	15
CT064B	Clindamycin	DA	2
CT015B	Clindamycin	DA	10
CT016B	Cloxacillin	OB	5
CT017B	Colistin sulfate	CT	10
CT065B	Colistin sulfate	CT	25
CT664B	Colistin sulfate	CT	50
CT059B	Sulfonamides compound	S3	300

D

Catalogue No	Description	Symbol	Levels, µg
CT018B	Doxycycline hydrochloride	DO	30

E

Catalogue No	Description	Symbol	Levels, µg
CT066B	Erythromycin	E	5
CT019B	Erythromycin	E	10
CT020B	Erythromycin	E	15
CT021B	Erythromycin	E	30
CT639B	Enrofloxacin	ENR	5

F

Catalogue No	Description	Symbol	Levels, µg
CT666B	Flumequine	UB	30
CT183B	Fosfomycin	FOS	50
CT758B	Fosfomycin/trometamol	FOT	200
CT071B	Framycetin	FY	100
CT448B	Furazolidone	FR	15
CT493B	Fusidic acid	FD	5
CT023B	Fusidic acid	FD	10
CT1617B	Fusidic acid	FD	50

G

Catalogue No	Description	Symbol	Levels, µg
CT024B	Gentamicin	CN	10
CT072B	Gentamicin	CN	30
CT794B	Gentamicin	CN	120
CT695B	Gentamicin	CN	200

I

Catalogue No	Description	Symbol	Levels, µg
CT455B	Imipenem	IPM	10

K

Catalogue No	Description	Symbol	Levels, µg
CT025B	Kanamycin	K	5
CT026B	Kanamycin	K	30

L

Catalogue No	Description	Symbol	Levels, µg
CT1587B	Levofloxacin	LEV	5
CT027B	Lincomycin	MY	2
CT123B	Lincomycin	MY	10
CT028B	Lincomycin	MY	15
CT1649B	Linezolid	LZD	10

entry continued