BIOGRAM®

Zone Size Interpretative Chart

As per CLSI (Clinical Laboratory Standards Institute) Guidelines (Formerly NCCLS)
(Based on results obtained using Mueller Hinton Agar)

Diameter of zone of inhibition in mm

Product Code	Antimicrobial Agent	Symbol	Disc Content	*Enterobacterales*			*Salmonella* and *Shigella*			*Pseudomonas aeruginosa*			*Acinetobacter* spp.			*Burkholderia cepacia*			*Stenotrophomonas maltophilia*			*Staphylococcus* spp.		
				S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)
PENICILLINS																								
206010530250 206010530500 206010530100	Ampicillin	AMP	10 mcg	17	14-16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030420250 206030420500 206030420100	Carbenicillin	CB	100 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206150060250 206150060500 206150060100	Oxacillin	OX	1mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18 (Coag+)	-	17 (Coag+)
206160570250 206160570500 206160570100	Penicillin	P	10 units	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	28
206160590250 206160590500 206160590100	Piperacillin	PI	100 mcg	21	18-20	17	-	-	-	21	15-20	14	21	18-20	17	-	-	-	-	-	-	-	-	-
206200610250 206200610500 206200610100	Ticarcillin	TI	75 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
β-LACTAM COMBINATION																								
206010550250 206010550500 206010550100	Amoxicillin/ Clavulanate	AMC	20/10 mcg	18	14-17	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206010540250 206010540500 206010540100	Ampicillin/ Sulbactam	A/S	10/10 mcg	15	12-14	11	-	-	-	-	-	-	15	12-14	11	-	-	-	-	-	-	-	-	-
206160600250 206160600500 206160600100	Piperacillin/ Tazobactam	PTZ	100/ 10 mcg	21	18-20	17	-	-	-	21	15-20	14	21	18-20	17	-	-	-	-	-	-	-	-	-
206200620250 206200620500 206200620100	Ticarcillin/ Clavulanate	TCC	75/10 mcg	20	15-19	14	-	-	-	24	16-23	15	20	15-19	14	-	-	-	-	-	-	-	-	-
CEPHEMS																								
206030430250 206030430500 206030430100	Cefaclor	CF	30 mcg	18	15-17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030440250 206030440500 206030440100	Cefazolin	CZ	30 mcg	23(P) 15(O)	20-22(P) -(O)	19(P) 14(O)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030450250 206030450500 206030450100	Cefdinir	CDR	5 mcg	20	17-19	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030460250 206030460500 206030460100	Cefepime	CPM	30 mcg	25	19-24	18	-	-	-	18	15-17	14	18	15-17	14	-	-	-	-	-	-	-	-	-
206030470250 206030470500 206030470100	Cefixime	CFM	5 mcg	19	16-18	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030490250 206030490500 206030490100	Cefotaxime (Cephotaxime)	CTX	30 mcg	26	23-25	22	-	-	-	-	-	-	23	15-22	14	-	-	-	-	-	-	-	-	-
206030510250 206030510500 206030510100	Cefoxitin	CX	30 mcg	18	15-17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030480250 206030480500 206030480100	Cefoperazone	CPZ	75 mcg	21	16-20	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030500250 206030500500 206030500100	Cefpodoxime	CPD	10 mcg	21	18-20	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030520250 206030520500 206030520100	Cefprozil	CPR	30 mcg	18	15-17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030550250 206030550500 206030550100	Ceftriaxone	CTR	30 mcg	23	20-22	19	-	-	-	-	-	-	21	14-20	13	-	-	-	-	-	-	-	-	-
206030530250 206030530500 206030530100	Ceftazidime	CAZ	30 mcg	21	18-20	17	-	-	-	18	15-17	14	18	15-17	14	21	18-20	17	-	-	-	-	-	-
206030540250 206030540500 206030540100	Ceftizoxime	CZX	30 mcg	25	22-24	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030560250 206030560500 206030560100	Cefuroxime	CXM	30 mcg	18(P) 23(O)	15-17(P) 15-22(O)	14(P) 14(O)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206030570250 206030570500 206030570100	Cephalothin	CEP	30 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONOBACTAMS																								
206010570250 206010570500 206010570100	Aztreonam	AT	30 mcg	21	18-20	17	-	-	-	22	16-21	15	-	-	-	-	-	-	-	-	-	-	-	-
CARBAPENEMS																								
206040270250 206040270500 206040270100	Doripenem	DOR	10 mcg	23	20-22	19	-	-	-	19	16-18	15	18	15-17	14	-	-	-	-	-	-	-	-	-
206050330250 206050330500 206050330100	Ertapenem	ETP	10 mcg	22	19-21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206060260250 206060260500 206060260100	Faropenem	FAR	5 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206090120250 206090120500 206090120100	Imipenem	IPM	10 mcg	23	20-22	19	-	-	-	19	16-18	15	22	19-21	18	-	-	-	-	-	-	-	-	-
206131030250 206131030500 206131030100	Meropenem	MRP	10mcg	23	20-22	19	-	-	-	19	16-18	15	18	15-17	14	20	16-19	15	-	-	-	-	-	-
GLYCOPEPTIDES																								
206200590250 206200590500 206200590100	Teicoplanin	TEI	30 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206220150250 206220150500 206220150100	Vancomycin	VA	30 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIPOPEPTIDES																								
206030620250 206030620500 206030620100	Colistin (Methane Sulphonate)	CL	10 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206160610250 206160610500 206160610100	Polymyxin B	PB	300 units	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMINOGLYCOSIDES																								
206010520250 206010520500 206010520100	Amikacin	AK	30 mcg	17	15-16	14	-	-	-	17	15-16	14	17	15-16	14	-	-	-	-	-	-	-	-	-
206070230250 206070230500 206070230100	Gentamicin	GEN	10 mcg	15	13-14	12	-	-	-	15	13-14	12	15	13-14	12	-	-	-	-	-	-	15	13-14	12
206070240250 206070240500 206070240100	Gentamicin	HLG	120 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206110100250 206110100500 206110100100	Kanamycin	K	30 mcg	18	14-17	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206140230250 206140230500 206140230100	Netilmicin	NET	30 mcg	15	13-14	12	-	-	-	15	13-14	12	-	-	-	-	-	-	-	-	-	-	-	-
206191150250 206191150500 206191150100	Streptomycin	S	10 mcg	15	12-14	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206191160250 206191160500 206191160100	Streptomycin	HLS	300 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206200640250 206200640500 206200640100	Tobramycin	TOB	10 mcg	15	13-14	12	-	-	-	15	13-14	12	15	13-14	12	-	-	-	-	-	-	-	-	-
MACROLIDES																								
206010560250 206010560500 206010560100	Azithromycin	AZM	15 mcg	13	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	14-17	13
206030600250 206030600500 206030600100	Clarithromycin	CLR	15 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	14-17	13
206050340250 206050340500 206050340100	Erythromycin	E	15 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	14-22	13
TETRACYCLINES																								
206040280250 206040280500 206040280100	Doxycycline	DOX	30 mcg	14	11-13	10	-	-	-	-	-	-	13	10-12	9	-	-	-	-	-	-	16	13-15	12
206131040250 206131040500 206131040100	Minocycline	MI	30 mcg	16	13-15	12	-	-	-	-	-	-	16	13-15	12	19	15-18	14	19	15-18	14	19	15-18	14
206200600250 206200600500 206200600100	Tetracycline	TE	30 mcg	15	12-14	11	-	-	-	-	-	-	15	12-14	11	-	-	-	-	-	-	19	15-18	14
206200630250 206200630500 206200630100	Tigecycline	TGC	15 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QUINOLONES AND FLUROQUINOLONES																								
206030590250 206030590500 206030590100	Ciprofloxacin	CIP	5 mcg	26	22-25	21	31	21-30	20	25	19-24	18	21	16-20	15	-	-	-	-	-	-	21	16-20	15
206070360250 206070360500 206070360100	Gatifloxacin	GAT	5 mcg	18	15-17	14	-	-	-	18	15-17	14	18	15-17	14	-	-	-	-	-	-	23	20-22	19
206070220250 206070220500 206070220100	Gemifloxacin	GEM	5 mcg	20	16-19	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206120430250 206120430500 206120430100	Levofloxacin	LE	5 mcg	21	17-20	16	-	-	-	22	15-21	14	17	14-16	13	-	-	-	17	14-16	13	19	16-18	15
206120450250 206120450500 206120450100	Lomefloxacin	LOM	10mcg	22	19-21	18	-	-	-	22	19-21	18	-	-	-	-	-	-	-	-	-	22	19-21	18
206131050250 206131050500 206131050100	Moxifloxacin	MXF	5 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	21-23	20
206140220250 206140220500 206140220100	Nalidixic Acid	NA	30 mcg	19	14-18	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206150050250 206150050500 206150050100	Ofloxacin	OF	5 mcg	16	13-15	12	-	-	-	16	13-15	12	-	-	-	-	-	-	-	-	-	18	15-17	14
206160620250 206160620500 206160620100	Prulifloxacin (Ulifloxacin)	PRU	5 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206191130250 206191130500 206191130100	Sparfloxacin	SPX	5 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	16-18	15
FOLATE PATHWAY ANTAGONISTS																								
206200650250 206200650500 206200650100	Trimethoprim	TR	5 mcg	16	11-15	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	11-15	10
206200660250 206200660500 206200660100	Trimethoprim/ Sulphamethoxazole	COT	1.25 / 23.75 mcg	16	11-15	10	-	-	-	-	-	-	16	11-15	10	16	11-15	10	16	11-15	10	16	11-15	10
PHENICOLS																								
206030580250 206030580500 206030580100	Chloramphenicol	C	30 mcg	18	13-17	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	13-17	12
ANSAMYCINS																								
206180280250 206180280500 206180280100	Rifampin	RIF	5 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	17-19	16
FOSFOMYCINS																								
206060280250 206060280500 206060280100	Fosfomycin	FO	200 mcg	16	13-15	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NITROFURANS																								
206140240250 206140240500 206140240100	Nitrofurantoin	NIT	300 mcg	17	15-16	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	15-16	14
LINCOSAMIDES																								
206030610250 206030610500 206030610100	Clindamycin	CD	2 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	15-20	14
OXAZOLIDINONES																								
206120440250 206120440500 206120440100	Linezolid	LZ	30 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	20
AMINOCYCLITOLS																								
206191140250 206191140500 206191140100	Spectinomycin	SPT	100 mcg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Antimicrobial Agent	*Enterococcus* spp.			*Haemophilus influenzae*/ *Haemophilus parainfluenzae*			*Neisseria gonorrhoeae*			*Streptococcus pneumoniae*			*Streptococcus* spp. β-haemolytic group			*Streptococcus* spp. Viridans group			*Neisseria meningitidis*			Quality Control, Limits							
	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	S (≥)	I	R (≤)	*E. coli* ATCC 25922	*S. aureus* ATCC 25923	*P. aeruginosa* ATCC 27853	*E. coli* ATCC 35218	*H. Influenzae* ATCC 49247	*H. Influenzae* ATCC 49766	*N. gonorrhoea* ATCC 49226	*S. pneumoniae* ATCC 49619
PENICILLINS																													
Ampicillin	17	-	16	22	19-21	18	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	15-22	27-35	-	6	13-21	-	-	30-36
Carbenicillin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23-29	-	18-24	-	-	-	-	-
Oxacillin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18-24	-	-	-	-	-	≤12
Penicillin	15	-	14	-	-	-	47	27-46	26	-	-	-	24	-	-	-	-	-	-	-	-	-	26-37	-	-	-	-	26-34	24-30
Piperacillin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-30	-	25-33	12-18	-	-	-	-
Ticarcillin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-30	-	21-27	6	-	-	-	-
β-LACTAM COMBINATION																													
Amoxicillin/ Clavulanate	-	-	-	20	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18-24	28-36	-	17-22	15-23	-	-	-
Ampicillin/ Sulbactam	-	-	-	20	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19-24	29-37	-	13-19	14-22	-	-	-
Piperacillin/ Tazobactam	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-30	27-36	25-33	24-30	33-38	-	-	-
Ticarcillin/ Clavulanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-30	29-37	20-28	21-25	-	-	-	-
CEPHEMS																													
Cefaclor	-	-	-	20	17-19	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23-27	27-31	-	-	-	25-31	-	24-32
Cefazolin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21-27	29-35	-	-	-	-	-	-
Cefdinir	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24-28	25-32	-	-	-	24-31	40-49	26-31
Cefepime	-	-	-	26	-	-	31	-	-	-	-	-	24	-	-	24	22-23	21	-	-	-	31-37	23-29	25-31	-	25-31	-	37-46	28-35
Cefixime	-	-	-	21	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-26	-	-	-	25-33	-	37-45	16-23
Cefotaxime (Cephotaxime)	-	-	-	26	-	-	31	-	-	-	-	-	24	-	-	28	26-27	25	34	-	-	29-35	25-31	18-22	-	31-39	-	38-48	31-39
Cefoxitin	-	-	-	-	-	-	28	24-27	23	-	-	-	-	-	-	-	-	-	-	-	-	23-29	23-29	-	-	-	-	33-41	-
Cefoperazone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28-34	24-33	23-29	-	-	-	-	-
Cefpodoxime	-	-	-	21	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23-28	19-25	-	-	25-31	-	35-43	28-34
Cefprozil	-	-	-	18	15-17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21-27	27-33	-	-	-	20-27	-	25-32
Ceftriaxone	-	-	-	26	-	-	35	-	-	-	-	-	24	-	-	27	25-26	24	34	-	-	29-35	22-28	17-23	-	31-39	-	39-51	30-35
Ceftazidime	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25-32	16-20	22-29	-	27-35	-	35-43	-
Ceftizoxime	-	-	-	26	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30-36	27-35	12-17	-	29-39	-	42-51	28-34
Cefuroxime	-	-	-	20	17-19	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-26	27-35	-	-	-	28-36	33-41	-
Cephalothin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15-21	29-37	-	-	-	-	-	26-32
MONOBACTAMS																													
Aztreonam	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28-36	-	23-29	31-38	30-38	-	-	-
CARBAPENEMS																													
Doripenem	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27-35	33-42	28-35	-	21-31	-	-	30-38
Ertapenem	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29-36	24-31	13-21	-	20-28	27-33	-	28-35
Faropenem	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-26	27-34	-	-	15-22	-	-	27-35
Imipenem	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26-32	-	20-28	-	21-29	-	-	-
Meropenem	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	28-35	29-37	27-33	-	20-28	-	-	28-35
GLYCOPEPTIDES																													
Teicoplanin	14	11-13	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15-21	-	-	-	-	-	-
Vancomycin	17	15-16	14	-	-	-	-	-	-	17	-	-	17	-	-	17	-	-	-	-	-	-	17-21	-	-	-	-	-	20-27
LIPOPEPTIDES																													
Colistin (Methane Sulphonate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11-17	-	11-17	-	-	-	-	-
Polymyxin B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13-19	-	14-18	-	-	-	-	-
AMINOGLYCOSIDES																													
Amikacin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19-26	20-26	18-26	-	-	-	-	-
Gentamicin (GEN)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19-26	19-27	17-23	-	-	-	-	-
Gentamicin (HLG)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kanamycin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17-25	19-26	-	-	-	-	-	-
Netilmicin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22-30	22-31	17-23	-	-	-	-	-
Streptomycin (S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12-20	14-22	-	-	-	-	-	-
Streptomycin (HLS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tobramycin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18-26	19-29	20-26	-	-	-	-	-
MACROLIDES																													
Azithromycin	-	-	-	12	-	-	30	-	-	18	14-17	13	18	14-17	13	18	14-17	13	20	-	-	-	21-26	-	-	13-21	-	30-38	19-25
Clarithromycin	-	-	-	13	11-12	10	-	-	-	21	17-20	16	21	17-20	16	21	17-20	16	-	-	-	-	26-32	-	-	11-17	-	-	25-31
Erythromycin	23	14-22	13	-	-	-	-	-	-	21	16-20	15	21	16-20	15	21	16-20	15	-	-	-	-	22-30	-	-	-	-	-	25-30
TETRACYCLINES																													
Doxycycline	16	13-15	12	-	-	-	-	-	-	28	25-27	24	-	-	-	-	-	-	-	-	-	18-24	23-29	-	-	-	-	-	25-34
Minocycline	19	15-18	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	-	19-25	25-30	-	-	-	-	-	-
Tetracycline	19	15-18	14	29	26-28	25	38	31-37	30	28	25-27	24	23	19-22	18	23	19-22	18	-	-	-	18-25	24-30	-	-	14-22	-	30-42	27-31
Tigecycline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-27	20-25	9-13	-	23-31	-	30-40	23-29
QUINOLONES AND FLUROQUINOLONES																													
Ciprofloxacin	21	16-20	15	21	-	-	41	28-40	27	-	-	-	-	-	-	-	-	-	35	33-34	32	29-38	22-30	25-33	-	34-42	-	48-58	-
Gatifloxacin	18	15-17	14	18	-	-	-	-	-	21	18-20	17	21	18-20	17	21	18-20	17	-	-	-	30-37	27-33	20-28	-	33-41	-	45-56	24-31
Gemifloxacin	-	-	-	18	-	-	-	-	-	23	20-22	19	-	-	-	-	-	-	-	-	-	29-36	27-33	19-25	-	30-37	-	-	28-34
Levofloxacin	17	14-16	13	17	-	-	-	-	-	17	14-16	13	17	14-16	13	17	14-16	13	-	-	-	29-37	25-30	19-26	-	32-40	-	-	20-25
Lomefloxacin	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27-33	23-29	22-28	-	33-41	-	45-54	-
Moxifloxacin	-	-	-	18	-	-	-	-	-	18	15-17	14	-	-	-	-	-	-	-	-	-	28-35	28-35	17-25	-	31-39	-	-	25-31
Nalidixic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22-28	-	-	-	-	-	-	-
Ofloxacin	-	-	-	16	-	-	-	-	-	16	13-15	12	16	13-15	12	16	13-15	12	-	-	-	29-33	24-28	17-21	-	31-40	-	43-51	16-21
Prulifloxacin (Ulifloxacin)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32-38	20-26	27-33	-	-	-	-	-
Sparfloxacin	-	-	-	-	-	-	-	-	-	19	16-18	15	-	-	-	-	-	-	-	-	-	30-38	27-33	21-29	-	32-40	-	43-51	21-27
FOLATE PATHWAY ANTAGONISTS																													
Trimethoprim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21-28	19-26	-	-	-	-	-	-
Trimethoprim/ Sulphamethoxazole	-	-	-	16	11-15	10	-	-	-	19	16-18	15	-	-	-	-	-	-	30	26-29	25	23-29	24-32	-	-	24-32	-	-	20-28
PHENICOLS																													
Chloramphenicol	18	13-17	12	29	26-28	25	-	-	-	21	-	20	21	18-20	17	21	18-20	17	26	20-25	19	21-27	19-26	-	-	31-40	-	-	23-27
ANSAMYCINS																													
Rifampin	20	17-19	16	20	17-19	16	-	-	-	19	17-18	16	-	-	-	-	-	-	25	20-24	19	8-10	26-34	-	-	22-30	-	-	25-30
FOSFOMYCINS																													
Fosfomycin	16	13-15	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22-30	25-33	-	-	-	-	-	-
NITROFURANS																													
Nitrofurantoin	17	15-16	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-25	18-22	-	-	-	-	-	23-29
LINCOSAMIDES																													
Clindamycin	-	-	-	-	-	-	-	-	-	19	16-18	15	19	16-18	15	19	16-18	15	-	-	-	-	24-30	-	-	-	-	-	19-25
OXAZOLIDINONES																													
Linezolid	23	21-22	20	-	-	-	-	-	-	21	-	-	21	-	-	21	-	-	-	-	-	-	25-32	-	-	-	-	-	25-34
AMINOCYCLITOLS																													
Spectinomycin	-	-	-	-	-	-	18	15-17	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23-29	-

CAT. NO.	ANTIMICROBIAL AGENT	SYMBOL	DISC CONTENT	Zone Diameter, Nearest Whole (mm)				Quality Control Limits				
				S (≥)	S-DD	R (≤)	*C. albicans* 90028	*C. parapsilosis* 22019	*C. tropicalis* 750	*C. albicans* 6285	*S. cerevisiae* 10231	*C. krusei* 9763
206060270250 206060270500 206060270100	Fluconazole	FLC	25 mcg	14	15-18	19	28-39	22-33	26-37	-	25-30	-
206220160250 206220160500 206220160100	Voriconazole	VRC	1 mcg	13	14-16	17	31-42	28-37	-	16-25	30-40	29-38

Organism	*Enterobacterales, P. aeruginosa, Staphylococcus spp., Enterococcus spp.*	*Acinetobacter spp. , Burkholderia cepacia, Stenotrophomonas maltophillia*	*Haemophilus influenzae/ Haemophilus parainfluenzae*	*Neisseria gonorrhoeae*	*Streptococci and Neisseria meningitidis*
Medium	MHA (Mueller Hinton Agar)	MHA (Mueller Hinton Agar)	HTM (Haemophilus Test Medium)	GC Agar Base and 1% defined growth supplement. The use of a cysteine free growth supplement is not required for disk diffusion testing.	MHA with 5% sheep blood
Inoculum	Direct Colony Suspension	Direct Colony Suspension	Direct Colony Suspension	Direct Colony Suspension	Direct Colony Suspension
Incubation Characteristics	16–18 hours, 35°C	20–24 hours, 35°C	5% CO_2, 16–18 hours, 35°C	5% CO_2, 20–24 hours, 35°C	5% CO_2, 20–24 hours

Abbreviations: R: Resistant, I: Intermediate, S: Susceptible, * - S-DD: Susceptible-Dose Dependent
* All the values are in mm.

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