

Antimicrobial Disk Diffusion Zone Interpretation Guide

Note: Values displayed were obtained with standardized organism suspensions prepared with 0.5 McFarland Standard or BBL Prompt System and inoculated onto Mueller Hinton agar.

Antimicrobial Agent	Code	Disk Potency	Zone Diameter Interpretive Stds (mm)		
			Resistant	Intermediate	Susceptible
Amikacin	AN-30	30 ug	≤14	15-16	≥17
Amoxicillin/Clavulanic Acid	AMC-30	20/10 ug	≤13	14-17	≥18
<i>Staphylococci</i>			≤19	*	≥20
Ampicillin	AM-10	10 ug	≤13	14-16	≥17
<i>Staphylococci</i>			≤28	*	≥29
<i>beta-hemolytic streptococci</i>			≤18	19-25	≥26
Azithromycin	AXM-15	15 ug	≤13	14-17	≥18
Bacitracin	B-10	10 u	≤8	9-12	≥13
Carbenicillin	CB-10	100 ug	≤19	20-22	≥23
Cefaclor	CEC-30	30 ug	≤14	15-17	≥18
Cefamandole	MA-30	30 ug	≤14	15-17	≥18
Cefazolin	CZ-30	30 ug	≤14	15-17	≥18
Cefixime	CFM-5	5 ug	≤15	16-18	≤19
Cefonicid	CID-30	30 ug	≤14	15-17	≥18
Cefoperazone	CFP-75	75 ug	≤15	16-20	≥21
Cefotaxime	CTX-30	30 ug	≤14	15-22	≥23
Cefotan	CTT-30	30 ug	≤12	13-15	≥16
Cefoxitin	FOX-30	30 ug	≤14	15-17	≥18
Cefpodoxime	CPD-10	10 ug	≤17	18-20	≥21
Ceftazidime	CAZ-30	30 ug	≤14	15-17	≥18
Ceftiofur (Naxcel)	XNL-30	30 ug	≤17	18-20	≥21
Ceftizoxime	ZOX-30	30 ug	≤10	11-19	≥20
Ceftriaxone	CRO-30	30 ug	≤24	25-26	≥27
Cefuroxime	CXM-30	30 ug	≤14	15-17	≥18
Cephalothin	CF-30	30 ug	≤14	15-17	≥18
Cefovecin (Covenia)	CEF-30	30 ug	≤20	21-23	≥24
Chloramphenicol	C-30	30 ug	≤12	13-17	≥18
Ciprofloxacin	CIP-5	5 ug	≤15	16-20	≥21
Clarithromycin	CLR-15	15 ug	≤13	14-17	≥18
<i>Streptococcus</i>			≤16	17-20	≥21
Clindamycin	CC-2	2 ug	≤15	16-18	≥19
<i>Staphylococci</i>			≤14	15-20	≥21
Doxycycline	D-30	30 ug	≤12	13-15	≥16
Enrofloxacin	ENO-5	5 ug	≤16	17-20	≥21
Erythromycin	E-15	15 ug	≤13	14-22	≥23
<i>Streptococcus</i>			≤15	16-20	≥21
Florfenicol (Nuflor)	FFC30	30 ug	≤14	15-18	≥19
Gentamicin	GM-10	10 ug	≤12	13-14	≥15
Imipenem	IPM-10	10 ug	≤13	14-15	≥16
Kanamycin	K-30	30 ug	≤13	14-17	≥18
Lincomycin	L2	2 ug	≤9	10-14	≥15
Marbofloxacin (Zeniquin)	MAR-5	5 ug	≤14	15-19	≥20
Mezlocillin	MZ-75	75 ug	≤17	18-20	≥21
<i>P. aeruginosa</i>			≤15	*	≥16

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Minocycline	MI30	30 ug	≤14	15-18	≥19
Nafcillin	NF-1	1 ug	≤10	11-12	≥13
Nalidixic Acid	NA-30	30 ug	≤13	14-18	≥19
Neomycin	N-30	30 ug	≤12	13-16	≥17
Nitrofurantoin	FM-300	300 ug	≤14	15-16	≥17
Norfloracin	NOR-10	10 ug	≤12	13-16	≥17
Novobiocin	NB-30	30 ug	≤17	18-21	≥22
Ofloxacin	OFX-5	5 ug	≤12	13-15	≥16
Orbifloxacin	OBX-10	10 ug	≤17	18-22	≥23
Oxacillin	OX-1	1 ug	≤10	11-12	≥13
<i>S. aureus</i>			≤17	*	≥18
Oxytetracycline	T30	30 ug	≤15	16-25	≥26
Penicillin	P-10	10 U	≤19	20-27	≥28
<i>Staphylococci</i>			≤28	*	≥29
Piperacillin	PIP-100	100 ug	≤17	18-20	≥21
<i>P. aeruginosa</i>			≤17	*	≥18
Pirlimycin HCL	PRL-2	2 ug	≤12	*	≥13
Polimyxin	PB-300	300 ug	≤8	9-11	≥12
Rifampin	RA-5	5 ug	≤16	17-19	≥20
Sulfisoxazole	G-.25	250 ug	≤12	13-16	≥17
Tetracycline	TE-30	30 ug	≤14	15-18	≥19
<i>Streptococcus</i>			≤18	19-22	≥23
Ticarcillin	TIC-75	75 ug	≤14	15-19	≥20
<i>P. aeruginosa</i>			≤14	*	≥15
Ticarcillin/Clavulanic Acid (Timentin)	TIM-85	75/10 ug	≤14	15-19	≥20
<i>P. aeruginosa</i>			≤14	*	≥15
<i>Staphylococci</i>			≤22	*	≥23
Tobramycin	NN-10	10 ug	≤12	13-14	≥15
Trimethoprim	TMP-5	5 ug	≤10	11-15	≥16
Trimethoprim/Sulfamethoxazole	SXT	1.25/23.7 ug	≤10	11-15	≥16
Tulathromycin (Draxxin)	TUL-30		≤14	15-17	≥18
Vancomycin	VA-30	30 ug	≤9	10-11	≥12