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- The present **Antibiotic Disc Interpretative Criteria and Quality Control** table does not replace the official documents by CLSI and EUCAST.
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## Clinical

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>				
			S ≥	SDD	I R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)	diameter (mm)	diameter (mm)				
Amikacin	AK	30	Enterobacterales	17	15-16	14	<i>E. coli</i>	ATCC 25922	19-26	Enterobacterales	18	18	<i>E. coli</i>	ATCC 25922	19-26	
			<i>P. aeruginosa</i>	17	15-16	14	<i>S. aureus</i>	ATCC 25923	20-26	<i>Pseudomonas</i> spp.	15	15	<i>P. aeruginosa</i>	ATCC 27853	20-26	
			<i>Acinetobacter</i> spp.	17	15-16	14	<i>P. aeruginosa</i>	ATCC 27853	20-26	<i>Acinetobacter</i> spp.	19	19	<i>S. aureus</i>	ATCC 29213	18-24	
									<i>S. aureus</i> (15) (15)							
									Coagulase-negative staphylococci (15) (15)							
Amoxicillin	AML	10	Not available			Not available			Not available			<i>E. coli</i> ATCC 35218 6				
Amoxicillin-clavulanic acid	AUG	3 (2/1)	Not available			Not available			<i>H. influenzae</i> (iv) 15 15 <i>H. influenzae</i> (oral) 50 15 <i>M. catarrhalis</i> 19 19 <i>P. multocida</i> 15 15			<i>H. influenzae</i> ATCC 49766 17-23 <i>S. aureus</i> ATCC 29213 19-25				
Amoxicillin-clavulanic acid	AUG	30 (20/10)	Enterobacterales	18	14-17	13	<i>E. coli</i>	ATCC 25922	18-24	Enterobacterales	19	19	<i>E. coli</i>	ATCC 25922	18-24	
							<i>S. aureus</i>	ATCC 25923	28-36	Enterobacterales	16	16	<i>E. coli</i>	ATCC 35218	17-22	
							<i>E. coli</i>	ATCC 35218	17-22	(uncomplicated UTI only)						
							<i>H. influenzae</i>	ATCC 49247	15-23	<i>B. pseudomallei</i>	50	22				
Ampicillin	AMP	2	Not available			Not available			<i>S. saprophyticus</i> 18 18 <i>Enterococcus</i> spp. 10 8 <i>S. pneumoniae</i> 22 19 Viridans group streptococci 21 15 <i>H. influenzae</i> 18 18 <i>L. monocytogenes</i> 16 16 <i>P. multocida</i> 17 17 <i>A. sanguinicola</i> and <i>urinae</i> 26 26			<i>S. aureus</i> ATCC 29213 15-21 <i>E. faecalis</i> ATCC 29212 15-21 <i>S. pneumoniae</i> ATCC 49619 25-31 <i>H. influenzae</i> ATCC 49766 19-25 <i>H. influenzae</i> ATCC 49247 6-12				
Ampicillin	AMP	10	Enterobacterales	17	14-16	13	<i>E. coli</i>	ATCC 25922	15-22	Enterobacterales	14	14	<i>E. coli</i>	ATCC 25922	15-22	
							<i>Enterococcus</i> spp.	17	-	16	<i>S. aureus</i>	ATCC 25923	27-35	<i>E. coli</i>	ATCC 35218	6
							<i>Haemophilus</i> spp.	22	19-21	18	<i>E. coli</i>	ATCC 35218	6			
							<i>Streptococcus</i> spp. β-Hemolytic group	24	-	-	<i>H. influenzae</i>	ATCC 49247	13-21			
										<i>S. pneumoniae</i>	ATCC 49619	30-36				
Ampicillin-sulbactam	AMS	20 (10/10)	Enterobacterales	15	12-14	11	<i>E. coli</i>	ATCC 25922	19-24	Enterobacterales	14	14	<i>E. coli</i>	ATCC 25922	19-24	
			<i>Acinetobacter</i> spp.	15	12-14	11	<i>S. aureus</i>	ATCC 25923	29-37				<i>E. coli</i>	ATCC 35218	13-19	
			<i>Haemophilus</i> spp.	20	-	19	<i>E. coli</i>	ATCC 35218	13-19							
						<i>H. influenzae</i> ATCC 49247 14-22										

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>				CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>			
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)					
Azithromycin	AZM	15	<i>S. Typhi</i>	13	-	12	<i>S. aureus</i>	ATCC 25923	21-26	<i>Vibrio</i> spp.	16	16	<i>E. coli</i>	ATCC 25922	14-20	
			<i>Shigella</i> spp.	16	11-15	10	<i>H. influenzae</i>	ATCC 49247	13-21							
			All staphylococci	18	14-17	13	<i>S. pneumoniae</i>	ATCC 49619	19-25							
			<i>Haemophilus</i> spp.	12	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	30-38							
			<i>N. gonorrhoeae</i>	30	-	-										
			<i>S. pneumoniae</i>	18	14-17	13										
			<i>Streptococcus</i> spp. β-Hemolytic group	18	14-17	13										
			<i>Streptococcus</i> spp. Viridans group	18	14-17	13										
			<i>N. meningitidis</i>	20	-	-										
			Azlocillin	AZL	75	Not available										<i>P. aeruginosa</i>
Aztreonam	ATM	30	Enterobacterales	21	18-20	17	<i>E. coli</i>	ATCC 25922	28-36	Enterobacterales <i>Pseudomonas</i> spp. <i>Aeromonas</i> spp.	26 50 29	21 18 26	<i>E. coli</i>	ATCC 25922	28-36	
			<i>P. aeruginosa</i>	22	16-21	15	<i>P. aeruginosa</i>	ATCC 27853	23-29							
			<i>Haemophilus</i> spp.	26	-	-	<i>E. coli</i>	ATCC 35218	31-38							
						<i>K. pneumoniae</i>	ATCC 700603	10-16								
						<i>H. influenzae</i>	ATCC 49247	30-38				<i>K. pneumoniae</i>	ATCC 700603	9-17		
Carbenicillin	CAR	100	Not available				<i>E. coli</i>	ATCC 25922	23-29	Not available			Not available			
						<i>P. aeruginosa</i>	ATCC 27853	18-24								
Cefaclor	CEC	30	Enterobacterales	18	15-17	14	<i>E. coli</i>	ATCC 25922	23-27	<i>S. pneumoniae</i>	50	28	<i>S. pneumoniae</i>	ATCC 49619	25-31	
			<i>Haemophilus</i> spp.	20	17-19	16	<i>S. aureus</i>	ATCC 25923	27-31							
						<i>H. influenzae</i>	ATCC 49766	25-31								
						<i>S. pneumoniae</i>	ATCC 49619	24-32								
Cefadroxil	CDX	30	Not available				Not available			Enterobacterales	12	12	<i>E. coli</i>	ATCC 25922	14-20	
Cefamandole	MA	30	Enterobacterales	18	15-17	14	<i>E. coli</i>	ATCC 25922	26-32	Not available			Not available			
						<i>S. aureus</i>	ATCC 25923	26-34								
Cefazolin	KZ	30	Enterobacterales	23	20-22	19	<i>E. coli</i>	ATCC 25922	21-27	<i>E. coli</i> and <i>Klebsiella</i> spp (except <i>K. aerogenes</i> )	50	20	<i>E. coli</i>	ATCC 25922	21-27	
			Enterobacterales (test for uncomplicated UTI)	15	-	14	<i>S. aureus</i>	ATCC 25923	29-35							
Cefepime	FEP	30	Enterobacterales	25	19-24	-	18	<i>E. coli</i>	ATCC 25922	31-37	Enterobacterales <i>Pseudomonas</i> spp. Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> <i>Aeromonas</i> spp.	27 50 25 25 28 20 27	24 21 25 25 28 20 24	<i>E. coli</i>	ATCC 25922	31-37
			<i>P. aeruginosa</i>	18	15-17	14	<i>S. aureus</i>	ATCC 25923	23-29							
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	25-31							
			<i>Haemophilus</i> spp.	26	-	-	<i>E. coli</i>	ATCC 35218	31-37							
			<i>N. gonorrhoeae</i>	31	-	-	<i>K. pneumoniae</i>	ATCC 700603	23-29							
			<i>Streptococcus</i> spp. β-Hemolytic group	24	-	-	<i>E. coli</i>	NCTC 13353	6-15							
			<i>Streptococcus</i> spp. Viridans group	24	22-23	21	<i>A. baumannii</i>	NCTC 13304	6-16							
						<i>H. influenzae</i>	ATCC 49247	25-31								
						<i>N. gonorrhoeae</i>	ATCC 49226	37-46								
						<i>S. pneumoniae</i>	ATCC 49619	28-35								
Cefiderocol	FDC	30	Enterobacterales	16	9-15	8	<i>E. coli</i>	ATCC 25922	25-31	Enterobacterales <i>P. aeruginosa</i>	22 22	22 22	<i>E. coli</i>	ATCC 25922	24-30	
			<i>P. aeruginosa</i>	18	13-17	12	<i>P. aeruginosa</i>	ATCC 27853	22-31							
			<i>Acinetobacter</i> spp.	15	11-14	10										
			<i>S. maltophilia</i>	15	-	-										
Cefixime	CFM	5	Enterobacterales	19	16-18	15	<i>E. coli</i>	ATCC 25922	20-26	Enterobacterales <i>H. influenzae</i> <i>M. catarrhalis</i>	17 26 21	17 26 18	<i>E. coli</i>	ATCC 25922	20-26	
			<i>Haemophilus</i> spp.	21	-	-	<i>H. influenzae</i>	ATCC 49247	25-33							
			<i>N. gonorrhoeae</i>	31	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	37-45							
						<i>S. pneumoniae</i>	ATCC 49619	16-23								
Cefoperazone	CFP	75	Enterobacterales	21	16-20	15	<i>E. coli</i>	ATCC 25922	28-34	Not available			Not available			
						<i>S. aureus</i>	ATCC 25923	24-33								
						<i>P. aeruginosa</i>	ATCC 27853	23-29								

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			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)				
Cefotaxime	CTX	5	Not available			Not available			Enterobacterales (other than meningitis)	20	17	<i>E. coli</i>	ATCC 25922	25-31	
									Enterobacterales (meningitis)	20	20	<i>S. pneumoniae</i>	ATCC 49619	28-34	
									Viridans group streptococci	23	23	<i>H. influenzae</i>	ATCC 49766	29-37	
									<i>H. influenzae</i>	27	27	<i>K. pneumoniae</i>	ATCC 700603	12-18	
									<i>M. catarrhalis</i>	20	17				
									<i>P. multocida</i>	26	26				
									<i>K. kingae</i>	27	27				
									<i>Vibrio</i> spp. except <i>V. fluvialis</i>	21	21				
Cefotaxime	CTX	30	Enterobacterales	26	23-25	22	<i>E. coli</i>	ATCC 25922	29-35	Not available			Not available		
			<i>Acinetobacter</i> spp.	23	15-22	14	<i>S. aureus</i>	ATCC 25923	25-31						
			<i>Haemophilus</i> spp.	26	-	-	<i>P. aeruginosa</i>	ATCC 27853	18-22						
			<i>N. gonorrhoeae</i>	31	-	-	<i>K. pneumoniae</i>	ATCC 700603	17-25						
			<i>Streptococcus</i> spp. β-Hemolytic group	24	-	-	<i>H. influenzae</i>	ATCC 49247	31-39						
			<i>Streptococcus</i> spp.	28	26-27	25	<i>N. gonorrhoeae</i>	ATCC 49226	38-48						
			Viridans group				<i>S. pneumoniae</i>	ATCC 49619	31-39						
			<i>N. meningitidis</i>	34	-	-									
Cefotetan	CTT	30	Enterobacterales	16	13-15	12	<i>E. coli</i>	ATCC 25922	28-34	Not available			Not available		
			<i>N. gonorrhoeae</i>	26	20-25	19	<i>S. aureus</i>	ATCC 25923	17-23						
							<i>N. gonorrhoeae</i>	ATCC 49226	30-36						
Cefoxitin	FOX	30	Enterobacterales	18	15-17	14	<i>E. coli</i>	ATCC 25922	23-29	Enterobacterales	19	19	<i>E. coli</i>	ATCC 25922	23-29
			<i>S. aureus</i> and <i>S. lugdunensis</i>	22	-	21	<i>S. aureus</i>	ATCC 25923	23-29	<i>S. aureus</i> and coagulase-negative staphylococci except <i>S. epidermidis</i> and <i>S. lugdunensis</i>	22	22	<i>S. aureus</i>	ATCC 29213	24-30
			<i>S. epidermidis</i> (surrogate test for oxacillin)	25	-	24	<i>N. gonorrhoeae</i>	ATCC 49226	33-41	<i>S. epidermidis</i> and <i>S. lugdunensis</i>	27	27	<i>S. aureus</i>	NCTC 12493	14-20
			Other <i>Staphylococcus</i> spp. excluding <i>S. aureus</i> , <i>S. lugdunensis</i> , <i>S. epidermidis</i> , <i>S. pseudintermedius</i> and <i>S. schleifien</i> (surrogate test for oxacillin)	25	-	24									
			<i>N. gonorrhoeae</i>	28	24-27	23									
Cefpodoxime	PX	10	Enterobacterales	21	18-20	17	<i>E. coli</i>	ATCC 25922	23-28	Enterobacterales	21	21	<i>E. coli</i>	ATCC 25922	23-28
			<i>Haemophilus</i> spp.	21	-	-	<i>S. aureus</i>	ATCC 25923	19-25	<i>H. influenzae</i>	26	26	<i>S. pneumoniae</i>	ATCC 49619	29-35
			<i>N. gonorrhoeae</i>	29	-	-	<i>K. pneumoniae</i>	ATCC 700603	9-16				<i>H. influenzae</i>	ATCC 49766	30-36
							<i>H. influenzae</i>	ATCC 49247	25-31				<i>K. pneumoniae</i>	ATCC 700603	9-16
							<i>N. gonorrhoeae</i>	ATCC 49226	35-43						
							<i>S. pneumoniae</i>	ATCC 49619	28-34						
Cefprozil	CPR	30	Enterobacterales	18	15-17	14	<i>E. coli</i>	ATCC 25922	21-27	Not available			Not available		
			<i>Haemophilus</i> spp.	18	15-17	14	<i>S. aureus</i>	ATCC 25923	27-33						
							<i>H. influenzae</i>	ATCC 49766	20-27						
							<i>S. pneumoniae</i>	ATCC 49619	25-32						
Ceftaroline	CPT	5	Not available			Not available			Enterobacterales	23	23	<i>E. coli</i>	ATCC 25922	24-30	
									<i>S. aureus</i> (other than pneumonia)	20	17	<i>S. aureus</i>	ATCC 29213	24-30	
									<i>S. aureus</i> (pneumonia)	20	20				

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			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	S ≥	R <	diameter (mm)			
Ceftaroline	CPT	30	Enterobacterales	23	20-22	19	<i>E. coli</i>	ATCC 25922	26-34	Not available			Not available			
			<i>S. aureus</i> only including MRSA	25	20-24	19	<i>S. aureus</i>	ATCC 25923	26-35							
			<i>Haemophilus</i> spp.	30	-	-	<i>H. influenzae</i>	ATCC 49247	29-39							
			<i>S. pneumoniae</i>	26	-	-	<i>S. pneumoniae</i>	ATCC 49619	31-41							
			<i>Streptococcus</i> spp. β-Hemolytic group	26	-	-										
Ceftazidime	CAZ	10	Not available				Not available			Enterobacterales	22	19	<i>E. coli</i>	ATCC 25922	23-29	
										<i>Pseudomonas</i> spp.	50	17	<i>P. aeruginosa</i>	ATCC 27853	21-27	
										<i>Aeromonas</i> spp.	24	21	<i>K. pneumoniae</i>	ATCC 700603	6-12	
										<i>Vibrio</i> spp.	22	22				
										<i>B. pseudomallei</i>	50	18				
Ceftazidime	CAZ	30	Enterobacterales	21	18-20	17	<i>E. coli</i>	ATCC 25922	25-32	Not available			Not available			
			<i>P. aeruginosa</i>	18	15-17	14	<i>S. aureus</i>	ATCC 25923	16-20							
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	22-29							
			<i>B. cepacia</i>	21	18-20	17	<i>K. pneumoniae</i>	ATCC 700603	10-18							
			<i>Haemophilus</i> spp.	26	-	-	<i>H. influenzae</i>	ATCC 49247	27-35							
							<i>N. gonorrhoeae</i>	ATCC 49226	35-43							
Ceftazidime-avibactam	CZA	14 (10/4)	Not available				Not available			Enterobacterales	13	13	<i>E. coli</i>	ATCC 25922	24-30	
										<i>P. aeruginosa</i>	17	17	<i>P. aeruginosa</i>	ATCC 27853	21-27	
													<i>K. pneumoniae</i>	ATCC 700603	18-24	
Ceftazidime-avibactam	CZA	50 (30/20)	Enterobacterales	21		20	<i>E. coli</i>	ATCC 25922	27-35	Not available			Not available			
			<i>P. aeruginosa</i>	21		20	<i>S. aureus</i>	ATCC 25923	16-22							
							<i>P. aeruginosa</i>	ATCC 27853	25-31							
							<i>E. coli</i>	ATCC 35218	28-35							
							<i>K. pneumoniae</i>	ATCC 700603	21-27							
							<i>H. influenzae</i>	ATCC 49247	28-34							
							<i>S. pneumoniae</i>	ATCC 49619	23-31							
Ceftibuten	CTB	30	Enterobacterales	21	18-20	17	<i>E. coli</i>	ATCC 25922	27-35	Enterobacterales	23	23	<i>E. coli</i>	ATCC 25922	27-35	
			<i>Haemophilus</i> spp.	28	-	-	<i>H. influenzae</i>	ATCC 49247	29-36	<i>H. influenzae</i>	25	25	<i>H. influenzae</i>	ATCC 49766	31-37	
Ceftizoxime	CZX	30	Enterobacterales	25	22-24	21	<i>E. coli</i>	ATCC 25922	30-36	Not available			Not available			
			<i>Haemophilus</i> spp.	26	-	-	<i>S. aureus</i>	ATCC 25923	27-35							
			<i>N. gonorrhoeae</i>	38	-	-	<i>P. aeruginosa</i>	ATCC 27853	12-17							
							<i>H. influenzae</i>	ATCC 49247	29-39							
							<i>N. gonorrhoeae</i>	ATCC 49226	42-51							
							<i>S. pneumoniae</i>	ATCC 49619	28-34							
Ceftobiprole	BPR	5	Not available				<i>E. coli</i>	ATCC 25922	25-31	Enterobacterales	23	23	<i>E. coli</i>	ATCC 25922	25-31	
							<i>S. aureus</i>	ATCC 25923	20-27	<i>S. aureus</i>	17	17	<i>S. aureus</i>	ATCC 29213	22-28	
Ceftolozane-tazobactam	C/T	40 (30/10)	Enterobacterales	22	19-21	18	<i>E. coli</i>	ATCC 25922	24-32	Enterobacterales	22	22	<i>E. coli</i>	ATCC 25922	24-32	
			<i>P. aeruginosa</i>	21	17-20	16	<i>S. aureus</i>	ATCC 25923	10-18	<i>P. aeruginosa</i>	23	23	<i>P. aeruginosa</i>	ATCC 27853	25-31	
							<i>P. aeruginosa</i>	ATCC 27853	25-31	<i>H. influenzae</i>	23	23	<i>E. coli</i>	ATCC 35218	25-31	
							<i>E. coli</i>	ATCC 35218	25-31				<i>K. pneumoniae</i>	ATCC 700603	17-25	
							<i>K. pneumoniae</i>	ATCC 700603	17-25				<i>H. influenzae</i>	ATCC 49766	24-30	
							<i>H. influenzae</i>	ATCC 49247	23-29							
							<i>S. pneumoniae</i>	ATCC 49619	21-29							

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			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)					
Ceftriaxone	CRO	30	Enterobacterales	23	20-22	19	<i>E. coli</i>	ATCC 25922	29-35	Enterobacterales (other than meningitis)	25	22	<i>E. coli</i>	ATCC 25922	29-35	
			<i>Acinetobacter</i> spp.	21	14-20	13	<i>S. aureus</i>	ATCC 25923	22-28		<i>S. pneumoniae</i>	ATCC 49619	32-38			
			<i>Haemophilus</i> spp.	26	-	-	<i>P. aeruginosa</i>	ATCC 27853	17-23		Enterobacterales (meningitis)	25	25	<i>H. influenzae</i>	ATCC 49766	34-42
			<i>N. gonorrhoeae</i>	35	-	-	<i>K. pneumoniae</i>	ATCC 700603	16-24		Viridans group streptococci	27	27	<i>K. pneumoniae</i>	ATCC 700603	16-22
			<i>Streptococcus</i> spp. β-Hemolytic group	24	-	-	<i>H. influenzae</i>	ATCC 49247	31-39		<i>H. influenzae</i>	32	32			
			<i>Streptococcus</i> spp. Viridans group	27	25-26	24	<i>N. gonorrhoeae</i>	ATCC 49226	39-51		<i>M. catarrhalis</i>	24	21			
			<i>N. meningitidis</i>	34	-	-	<i>S. pneumoniae</i>	ATCC 49619	30-35		<i>K. kingae</i>	30	30			
Cefuroxime	CXM	30	Enterobacterales (Parenteral)	18	15-17	14	<i>E. coli</i>	ATCC 25922	20-26	<i>E. coli, Klebsiella</i> spp. (except <i>K. aerogenes</i> ), <i>Raoultella</i> spp. and <i>P. mirabilis</i> :	- iv	50	19	<i>E. coli</i>	ATCC 25922	20-26
			Enterobacterales (Oral)	23	15-22	14	<i>S. aureus</i>	ATCC 25923	27-35		- oral	19	19	<i>S. pneumoniae</i>	ATCC 49619	28-34
			<i>Haemophilus</i> spp.	20	17-19	16	<i>H. influenzae</i>	ATCC 49766	28-36		Viridans group streptococci	26	26	<i>H. influenzae</i>	ATCC 49766	26-34
							<i>N. gonorrhoeae</i>	ATCC 49226	33-41		<i>H. influenzae</i> (iv)	27	25			
											<i>H. influenzae</i> (oral)	50	27			
							<i>M. catarrhalis</i> (iv)	21	18							
							<i>M. catarrhalis</i> (oral)	50	21							
							<i>K. kingae</i>	29	29							
Cephalexin	CL	30	Not available			Not available			Enterobacterales	14	14	<i>E. coli</i>	ATCC 25922	15-21		
Cephalothin	KF	30	Not available			<i>E. coli</i>	ATCC 25922	15-21	Not available			Not available				
						<i>S. aureus</i>	ATCC 25923	29-37								
						<i>S. pneumoniae</i>	ATCC 49619	26-32								
Chloramphenicol	C	30	Enterobacterales	18	13-17	12	<i>E. coli</i>	ATCC 25922	21-27	Enterobacterales	17	17	<i>E. coli</i>	ATCC 25922	21-27	
			All staphylococci	18	13-17	12	<i>S. aureus</i>	ATCC 25923	19-26		<i>Staphylococcus</i> spp.	18	18	<i>S. aureus</i>	ATCC 29213	20-28
			<i>Enterococcus</i> spp.	18	13-17	12	<i>H. influenzae</i>	ATCC 49247	31-40		Streptococcus groups	19	19	<i>S. pneumoniae</i>	ATCC 49619	24-30
			<i>Haemophilus</i> spp.	29	26-28	25	<i>S. pneumoniae</i>	ATCC 49619	23-27		A,B,C and G			<i>H. influenzae</i>	ATCC 49766	31-37
			<i>S. pneumoniae</i>	21	-	20					<i>S. pneumoniae</i>	21	21			
			<i>Streptococcus</i> spp. β-Hemolytic group	21	18-20	17					<i>H. influenzae</i>	28	28			
			<i>Streptococcus</i> spp. Viridans group	21	18-20	17					<i>M. catarrhalis</i>	30	30			
			<i>N. meningitidis</i>	26	20-25	19					<i>B. pseudomallei</i>	50	22			
Cinoxacin	CIN	100	Enterobacterales	19	15-18	14	<i>E. coli</i>	ATCC 25922	26-32	Not available			Not available			

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>				
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)					
Ciprofloxacin	CIP	5	Enterobacterales	26	22-25	21	<i>E. coli</i>	ATCC 25922	29-38	Enterobacterales	25	22	<i>E. coli</i>	ATCC 25922	29-37	
			except <i>Salmonella</i> spp.				<i>S. aureus</i>	ATCC 25923	22-30	<i>Pseudomonas</i> spp.	50	26	<i>P. aeruginosa</i>	ATCC 27853	25-33	
			<i>Salmonella</i> spp.	31	21-30	20	<i>P. aeruginosa</i>	ATCC 27853	25-33	<i>Acinetobacter</i> spp.	50	21	<i>S. aureus</i>	ATCC 29213	21-27	
			<i>P. aeruginosa</i>	25	19-24	18	<i>H. influenzae</i>	ATCC 49247	34-42	<i>S. aureus</i>	50	21	<i>E. faecalis</i>	ATCC 29212	19-25	
			<i>Acinetobacter</i> spp.	21	16-20	15	<i>N. gonorrhoeae</i>	ATCC 49226	48-58	Coagulase-negative staphylococci	50	24	<i>S. pneumoniae</i>	ATCC 49619	22-28	
			All staphylococci	21	16-20	15				<i>Enterococcus</i> spp. (uncomplicated UTI only)	15	15	<i>H. influenzae</i>	ATCC 49766	32-40	
			<i>Enterococcus</i> spp.	21	16-20	15				<i>S. pneumoniae</i>	50	16	<i>C. jejuni</i>	ATCC 33560	34-42	
			<i>Haemophilus</i> spp.	21	-	-				<i>H. influenzae</i>	30	30				
			<i>N. gonorrhoeae</i>	41	28-40	27				<i>M. catarrhalis</i>	31	31				
			<i>N. Meningitidis</i>	35	33-34	32				<i>P. multocida</i>	27	27				
										<i>C. jejuni</i>	26	26				
										<i>C. coli</i>	26	26				
			Clarithromycin	CLR	15	All staphylococci	18	14-17	13	<i>S. aureus</i>	ATCC 25923	26-32	Not available			Not available
<i>Haemophilus</i> spp.	13	11-12				10	<i>H. influenzae</i>	ATCC 49247	11-17							
<i>S. pneumoniae</i>	21	17-20				16	<i>S. pneumoniae</i>	ATCC 49619	25-31							
Streptococcus spp. β-Hemolytic group	21	17-20				16										
Streptococcus spp. Viridans group	21	17-20				16										
Clindamycin	CD	2	All staphylococci	21	15-20	14	<i>S. aureus</i>	ATCC 25923	24-30	<i>Staphylococcus</i> spp.	22	22	<i>S. aureus</i>	ATCC 29213	23-29	
			<i>S. pneumoniae</i>	19	16-18	15	<i>S. pneumoniae</i>	ATCC 49619	19-25	Streptococcus groups A,B,C and G	17	17	<i>S. pneumoniae</i>	ATCC 49619	22-28	
			Streptococcus spp. β-Hemolytic Group	19	16-18	15							<i>B. fragilis</i>	ATCC 25285	23-29	
			Streptococcus spp. Viridans Group	19	16-18	15							<i>C. perfringens</i>	ATCC 13124	20-26	
										Viridans group streptococci						
										<i>Bacteroides</i> spp.	(10)	(10)				
Colistin sulfate	CS	10	Not available			<i>E. coli</i>	ATCC 25922	11-17	Not available			Not available				
						<i>P. aeruginosa</i>	ATCC 27853	11-17								
Doripenem	DOR	10	Enterobacterales	23	20-22	19	<i>E. coli</i>	ATCC 25922	27-35	Enterobacterales	24	21	<i>E. coli</i>	ATCC 25922	27-35	
			<i>P. aeruginosa</i>	19	16-18	15	<i>S. aureus</i>	ATCC 25923	33-42	<i>Pseudomonas</i> spp.	50	20	<i>P. aeruginosa</i>	ATCC 27853	28-35	
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	28-35	<i>Acinetobacter</i> spp.	50	22	<i>S. pneumoniae</i>	ATCC 49619	31-37	
			<i>Haemophilus</i> spp.	16	-	1	<i>H. influenzae</i>	ATCC 49247	21-31	<i>H. influenzae</i>	23	23	<i>H. influenzae</i>	ATCC 49766	26-32	
								<i>S. pneumoniae</i>	ATCC 49619	30-38	<i>M. catarrhalis</i>	30	30			
Doxycycline	DXT	30	Enterobacterales	14	11-13	10	<i>E. coli</i>	ATCC 25922	18-24	Not available			Not available			
			<i>Acinetobacter</i> spp.	13	10-12	9	<i>S. aureus</i>	ATCC 25923	23-29							
			All staphylococci	16	13-15	12	<i>S. pneumoniae</i>	ATCC 49619	25-34							
			<i>Enterococcus</i> spp.	16	13-15	12										
			<i>S. pneumoniae</i>	28	25-27	24										

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>		
			S ≥	SDD	I R ≤	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)	diameter (mm)		
Eravacycline	ERV	20	Not available			<i>E. coli</i> ATCC 25922	17-24	<i>E. coli</i>	17	17	<i>E. coli</i> ATCC 25922	18-24		
						<i>S. aureus</i> ATCC 25923	19-26	<i>S. aureus</i>	20	20	<i>S. aureus</i> ATCC 29213	20-26		
						<i>S. pneumoniae</i> ATCC 49619	23-30	<i>E. faecalis</i>	22	22	<i>E. faecalis</i> ATCC 29212	20-26		
								<i>E. faecium</i>	24	24	<i>S. pneumoniae</i> ATCC 49619	24-30		
								Viridans group streptococci	17	17				
Ertapenem	ETP	10	Enterobacterales	22	19-21	18	<i>E. coli</i> ATCC 25922	29-36	Enterobacterales	25	25	<i>E. coli</i> ATCC 25922	29-36	
			<i>Haemophilus</i> spp.	19	-	-	<i>S. aureus</i> ATCC 25923	24-31	Viridans group streptococci	22	22	<i>S. pneumoniae</i> ATCC 49619	28-34	
						<i>P. aeruginosa</i> ATCC 27853	13-21	<i>H. influenzae</i>	23	23	<i>H. influenzae</i> ATCC 49766	27-33		
						<i>H. influenzae</i> ATCC 49247	20-28	<i>H. influenzae</i>	23	23				
						<i>H. influenzae</i> ATCC 49766	27-33	<i>M. catarrhalis</i>	29	29				
						<i>S. pneumoniae</i> ATCC 49619	28-35							
Erythromycin	E	15	All staphylococci	23	14-22	13	<i>S. aureus</i> ATCC 25923	22-30	<i>Staphylococcus</i> spp.	21	21	<i>S. aureus</i> ATCC 29213	23-29	
			<i>Enterococcus</i> spp.	23	14-22	13	<i>S. pneumoniae</i> ATCC 49619	25-30	Streptococcus groups A,B,C and G	21	18	<i>S. pneumoniae</i> ATCC 49619	26-32	
			<i>S. pneumoniae</i>	21	16-20	15			<i>S. pneumoniae</i>	22	19	<i>H. influenzae</i> ATCC 49766	10-16	
			Streptococcus spp. β-Hemolytic group	21	16-20	15			<i>H. influenzae</i>	50	10	<i>C. jejuni</i> ATCC 33560	27-35	
			Streptococcus spp. Viridans group	21	16-20	15			<i>M. catarrhalis</i>	23	20			
								<i>L. monocytogenes</i>	25	25				
								<i>C. jejuni</i>	20	20				
								<i>C. coli</i>	24	24				
								<i>K. kingae</i>	20	20				
								<i>Vibrio</i> spp.	12	12				
Fosfomicin (includes G-6-P)	FOS	200	Enterobacterales ( <i>E. coli</i> urinary tract isolates only)	16	13-15	12	<i>E. coli</i> ATCC 25922	22-30	Enterobacterales (iv)	21	21	<i>E. coli</i> ATCC 25922	26-34	
			<i>Enterococcus</i> spp.	16	13-15	12	<i>S. aureus</i> ATCC 25923	25-33	<i>E. coli</i> (oral)	24	24			
Fusidic acid	FC	10	Not available			<i>S. aureus</i> ATCC 25923	24-32	<i>Staphylococcus</i> spp.	24	24	<i>S. aureus</i> ATCC 29213	26-32		
						<i>S. pneumoniae</i> ATCC 49619	9-16							
Gatifloxacin	GAT	5	Enterobacterales	18	15-17	14	<i>E. coli</i> ATCC 25922	30-37	Not available			Not available		
			<i>P. aeruginosa</i>	18	15-17	14	<i>S. aureus</i> ATCC 25923	27-33						
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i> ATCC 27853	20-28						
			All staphylococci	23	20-22	19	<i>H. influenzae</i> ATCC 49247	33-41						
			<i>Enterococcus</i> spp.	18	15-17	14	<i>N. gonorrhoeae</i> ATCC 49226	45-56						
			<i>Haemophilus</i> spp.	18	-	-	<i>S. pneumoniae</i> ATCC 49619	24-31						
			<i>N. gonorrhoeae</i>	38	34-37	33								
			<i>S. pneumoniae</i>	21	18-20	17								
			Streptococcus spp. β-Hemolytic group	21	18-20	17								
			Streptococcus spp. Viridans group	21	18-20	17								
Gentamicin	CN	10	Enterobacterales	15	13-14	12	<i>E. coli</i> ATCC 25922	19-26	Enterobacterales	17	17	<i>E. coli</i> ATCC 25922	19-26	
			<i>P. aeruginosa</i>	15	13-14	12	<i>S. aureus</i> ATCC 25923	19-27	<i>Pseudomonas</i> spp.	15	15	<i>P. aeruginosa</i> ATCC 27853	16-21	
			<i>Acinetobacter</i> spp.	15	13-14	12	<i>P. aeruginosa</i> ATCC 27853	17-23	<i>Acinetobacter</i> spp.	17	17	<i>S. aureus</i> ATCC 29213	19-25	
			All staphylococci	15	13-14	12			<i>S. aureus</i>	(18)	(18)			
								Coagulase-negative staphylococci	(22)	(22)				
								<i>Corynebacterium</i> spp.	23	23				
Gentamicin	CN	30	Not available			Not available			<i>Enterococcus</i> spp. (Test for HLAR)	8	8	<i>E. faecalis</i> ATCC 29212	12-18	
											<i>E. faecalis</i> ATCC 51299	6		
Gentamicin	CN	120	<i>Enterococcus</i> spp. (Screening Test for HLAR)	10		6	<i>E. faecalis</i> ATCC 29212	16-23	Not available			Not available		
							<i>E. faecalis</i> ATCC 51299	6						

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>				
			S ≥	SDD	R ≤	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)					
Imipenem	IMI	10	Enterobacterales	23	20-22	19	<i>E. coli</i>	ATCC 25922	26-32	Enterobacterales, except <i>Morganellaceae</i>	22	19	<i>E. coli</i>	ATCC 25922	26-32	
			<i>P. aeruginosa</i>	19	16-18	15	<i>P. aeruginosa</i>	ATCC 27853	20-28		<i>P. aeruginosa</i>	ATCC 27853	20-28			
			<i>Acinetobacter</i> spp.	22	19-21	18	<i>K. pneumoniae</i>	ATCC 700603	25-33		<i>Morganellaceae</i>	50	19	<i>E. faecalis</i>	ATCC 29212	24-30
			<i>Haemophilus</i> spp.	16	-	-	<i>K. pneumoniae</i>	ATCC BAA-1705	11-22		<i>Pseudomonas</i> spp.	50	20	<i>S. pneumoniae</i>	ATCC 49619	34-42
								<i>K. pneumoniae</i>	ATCC BAA-2814		6-14	<i>Acinetobacter</i> spp.	24	21	<i>H. influenzae</i>	ATCC 49766
								<i>H. influenzae</i>	50	21						
								Viridans group	30	30						
								streptococci								
								<i>H. influenzae</i>	20	20						
								<i>M. catarrhalis</i>	29	29						
								<i>B. pseudomallei</i>	29	29						
Imipenem-relebactam	I/R	35 (10/25)	Enterobacterales	25	21-24	20	<i>E. coli</i>	ATCC 25922	27-33	Enterobacterales, except <i>Morganellaceae</i>	22	22	<i>P. aeruginosa</i>	ATCC 27853	26-31	
			<i>P. aeruginosa</i>	23	20-22	19	<i>P. aeruginosa</i>	ATCC 27853	26-31		<i>P. aeruginosa</i>	22	22	<i>K. pneumoniae</i>	ATCC BAA-2814	22-28
							<i>K. pneumoniae</i>	ATCC 700603	26-32	<i>P. aeruginosa</i>	22	22				
							<i>K. pneumoniae</i>	ATCC BAA-1705	23-29	<i>Acinetobacter</i> spp.	24	24				
							<i>K. pneumoniae</i>	ATCC BAA-2814	22-28							
Kanamycin	K	30	Enterobacterales	18	14-17	13	<i>E. coli</i>	ATCC 25922	17-25	Not available			Not available			
							<i>S. aureus</i>	ATCC 25923	19-26							
Lefamulin	LMU	5	Not available			Not available			<i>S. aureus</i>	23	23	<i>S. aureus</i>	ATCC 29213	23-29		
										<i>S. pneumoniae</i>	12		12	<i>S. pneumoniae</i>	ATCC 49619	15-21
Lefamulin	LMU	20	<i>S. aureus</i> , including MRSA	23	-	-	<i>S. aureus</i>	ATCC 25923	26-32	Not available			Not available			
			<i>H. influenzae</i>	18	-	-	<i>H. influenzae</i>	ATCC 49247	22-28							
			<i>S. pneumoniae</i>	19	-	-	<i>S. pneumoniae</i>	ATCC 49619	19-27							
Levofloxacin	LEV	5	Enterobacterales	21	17-20	16	<i>E. coli</i>	ATCC 25922	29-37	Enterobacterales	23	19	<i>E. coli</i>	ATCC 25922	29-37	
			except <i>Salmonella</i> spp.				<i>S. aureus</i>	ATCC 25923	25-30		<i>Pseudomonas</i> spp.	50	18	<i>P. aeruginosa</i>	ATCC 27853	19-26
			<i>P. aeruginosa</i>	22	15-21	14	<i>P. aeruginosa</i>	ATCC 27853	19-26		<i>Acinetobacter</i> spp.	23	20	<i>S. aureus</i>	ATCC 29213	23-29
			<i>Acinetobacter</i> spp.	17	14-16	13	<i>H. influenzae</i>	ATCC 49247	32-40		<i>S. aureus</i>	50	22	<i>E. faecalis</i>	ATCC 29212	19-25
			<i>S. maltophilia</i>	17	14-16	13	<i>S. pneumoniae</i>	ATCC 49619	20-25		Coagulase-negative staphylococci	50	24	<i>S. pneumoniae</i>	ATCC 49619	21-27
			All staphylococci	19	16-18	15					Enterococcus spp. (uncomplicate UTI only)	15	15	<i>H. influenzae</i>	ATCC 49766	31-39
			<i>Enterococcus</i> spp.	17	14-16	13					Streptococcus groups A,B,C and G	50	17			
			<i>Haemophilus</i> spp.	17	-	-					<i>S. pneumoniae</i>	50	16			
			<i>S. pneumoniae</i>	17	14-16	13					<i>H. influenzae</i>	30	30			
			<i>Streptococcus</i> spp. β-Hemolytic group	17	14-16	13					<i>M. catarrhalis</i>	29	29			
			<i>Streptococcus</i> spp.	17	14-16	13					<i>P. multocida</i>	27	27			
			Viridans group								<i>K. kingae</i>	28	28			
											<i>Aeromonas</i> spp.	27	24			
											<i>Vibrio</i> spp.	23	23			
			Levonadifloxacin	LND	10	Not available			<i>E. coli</i>			ATCC 25922	27-33	Not available		
							<i>S. aureus</i>	ATCC 25923	32-39							
							<i>P. aeruginosa</i>	ATCC 27853	17-23							
							<i>H. influenzae</i>	ATCC 49247	33-41							
							<i>S. pneumoniae</i>	ATCC 49619	24-31							
Linezolid	LNZ	10	Not available			Not available			<i>Staphylococcus</i> spp.	21	21	<i>S. aureus</i>	ATCC 29213	21-27		
										<i>Enterococcus</i> spp.	20		20	<i>E. faecalis</i>	ATCC 29212	19-25
										Streptococcus groups A,B,C and G	19		19	<i>S. pneumoniae</i>	ATCC 49619	23-29
										<i>S. pneumoniae</i>	22		22			
										<i>Corynebacterium</i> spp.	25		25			



Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>																																																		
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)																																																			
Linezolid	LNZ	30	All staphylococci	21	-	20	<i>S. aureus</i> ATCC 25923	25-32	Not available	15	15	Not available																																																		
			<i>Enterococcus</i> spp.	23	21-22	20	<i>S. pneumoniae</i> ATCC 49619	25-34																																																						
			<i>S. pneumoniae</i>	21	-	-																																																								
			<i>Streptococcus</i> spp. β-Hemolytic group	21	-	-																																																								
			<i>Streptococcus</i> spp. Viridans group	21	-	-																																																								
Lomefloxacin	LOM	10	Enterobacterales	22	19-21	18	<i>E. coli</i> ATCC 25922	27-33	Not available	22	16	Not available																																																		
			<i>P. aeruginosa</i>	22	19-21	18	<i>S. aureus</i> ATCC 25923	23-29																																																						
			All staphylococci	22	19-21	18	<i>P. aeruginosa</i> ATCC 27853	22-28																																																						
			<i>Haemophilus</i> spp.	22	-	-	<i>H. influenzae</i> ATCC 49247	33-41																																																						
Mecillinam	MEC	10	Enterobacterales	15	12-14	11	<i>E. coli</i> ATCC 25922	24-30	Not available	22	22	<i>E. coli</i> ATCC 25922	24-30																																																	
Meropenem	MRP	10	Enterobacterales	23	20-22	19	<i>E. coli</i> ATCC 25922	28-35	Enterobacterales (other than meningitis)	22	16	<i>E. coli</i> ATCC 25922	28-35																																																	
			<i>P. aeruginosa</i>	19	16-18	15	<i>S. aureus</i> ATCC 25923	29-37						<i>P. aeruginosa</i> ATCC 27853	27-33																																															
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i> ATCC 27853	27-33								Enterobacterales (meningitis)	22	22	<i>S. pneumoniae</i> ATCC 49619	30-38																																										
			<i>B. cepacia</i>	20	16-19	15	<i>H. influenzae</i> ATCC 49247	20-28													<i>H. influenzae</i> ATCC 49766	27-35																																								
			<i>Haemophilus</i> spp.	20	-	-	<i>S. pneumoniae</i> ATCC 49619	28-35															<i>P. aeruginosa</i> (other than meningitis)	20	14	<i>B. fragilis</i> ATCC 25285	32-39																																			
			<i>N. meningitidis</i>	30	-	-																						Pseudomonas other than <i>P. aeruginosa</i> (other than meningitis)	24	18	<i>C. perfringens</i> ATCC 13124	34-40																														
																																	<i>P. aeruginosa</i> (meningitis)	20	20																											
																																						<i>Acinetobacter</i> spp. (other than meningitis)	21	15																						
																																											<i>Acinetobacter</i> spp. (meningitis)	21	21																	
																																																Viridans group streptococci	25	25												
																																																					<i>H. influenzae</i>	20	20							
																																																										<i>Bacteroides</i> spp.	28	28		
						<i>F. necrophorum</i>	35	35																																																						
						<i>C. perfringens</i>	25	25																																																						
						<i>C. acnes</i>	28	28																																																						
						<i>M. catarrhalis</i>	33	33																																																						
						<i>L. monocytogenes</i>	26	26																																																						
						<i>A. sanguinicola</i> and <i>urinae</i>	31	31																																																						
						<i>K. kingae</i>	30	30																																																						
						<i>Vibrio</i> spp.	24	24																																																						
						<i>B. pseudomallei</i>	24	24																																																						
Metronidazole	MTZ	5	Not available				Not available		25	25	<i>B. fragilis</i> ATCC 25285	29-36																																																		
								<i>C. perfringens</i> ATCC 13124					20-26																																																	
														22	22																																															
																30	30																																													
									16	16																																																				

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>						
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)							
Minocycline	MN	30	Enterobacterales	16	13-15	12	<i>E. coli</i>	ATCC 25922	19-25	<i>Staphylococcus</i> spp.	23	23	<i>S. aureus</i>	ATCC 29213	23-29			
			<i>Acinetobacter</i> spp.	16	13-15	12	<i>S. aureus</i>	ATCC 25923	25-30	Streptococcus groups A,B,C and G	23	23	<i>S. pneumoniae</i>	ATCC 49619	25-31			
			<i>B. cepacia</i>	19	15-18	14				<i>S. pneumoniae</i>	24	24	<i>H. influenzae</i>	ATCC 49766	26-32			
			<i>S. maltophilia</i>	19	15-18	14				<i>H. influenzae</i>	24	24						
			All staphylococci	19	15-18	14				<i>M. catarrhalis</i>	25	25						
			<i>Enterococcus</i> spp.	19	15-18	14												
			<i>N. meningitidis</i>	26	-	-												
Moxifloxacin	MOX	5	All staphylococci	24	21-23	20	<i>E. coli</i>	ATCC 25922	28-35	Enterobacterales	22	22	<i>E. coli</i>	ATCC 25922	28-35			
			<i>Haemophilus</i> spp.	18	-	-	<i>S. aureus</i>	ATCC 25923	28-35	<i>S. aureus</i>	25	25	<i>S. aureus</i>	ATCC 29213	25-31			
			<i>S. pneumoniae</i>	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	17-25	Coagulase-negative staphylococci	28	28	<i>S. pneumoniae</i>	ATCC 49619	24-30			
						<i>H. influenzae</i>	ATCC 49247	31-39	Streptococcus groups A,B,C and G	19	19	<i>H. influenzae</i>	ATCC 49766	30-36				
						<i>S. pneumoniae</i>	ATCC 49619	25-31	<i>S. pneumoniae</i>	22	22							
									<i>H. influenzae</i>	28	28							
									<i>M. catarrhalis</i>	26	26							
Mupirocin	MUP	200	<i>S. aureus</i> (Screening Test for HLMR)	7		6	<i>S. aureus</i>	ATCC 25923	29-38	<i>S. aureus</i> (for nasal decontamination)	30	18	<i>S. aureus</i>	ATCC 29213	31-37			
							<i>S. aureus</i>	ATCC BAA-1708	6									
Nafcillin	NAF	1	Not available				<i>S. aureus</i>	ATCC 25923	16-22	Not available			Not available					
Nalidixic acid	NA	30	Enterobacterales	19	14-18	13	<i>E. coli</i>	ATCC 25922	22-28	<i>H. influenzae</i>	23	*	<i>E. coli</i>	ATCC 25922	22-28			
										<i>M. catarrhalis</i>	23	*	<i>H. influenzae</i>	ATCC 49766	26-32			
										<i>P. multocida</i>	23	*						
Neomycin	N	30	Not available				Not available			Not available			<i>E. coli</i>	ATCC 25922	14-20			
													<i>S. aureus</i>	ATCC 29213	16-22			
Netilmicin	NET	10	Not available				Not available			Enterobacterales	15	12	<i>E. coli</i>	ATCC 25922	18-24			
										<i>Pseudomonas</i> spp.	12	12	<i>P. aeruginosa</i>	ATCC 27853	15-21			
										<i>Acinetobacter</i> spp.	16	16	<i>S. aureus</i>	ATCC 29213	20-26			
										<i>S. aureus</i>	18	18						
										Coagulase-negative Staphylococci	22	22						
Netilmicin	NET	30	Enterobacterales	15	13-14	12	<i>E. coli</i>	ATCC 25922	22-30	Not available			Not available					
							<i>S. aureus</i>	ATCC 25923	22-31									
							<i>P. aeruginosa</i>	ATCC 27853	17-23									
Nitrofurantoin	F	100	Not available				Not available			<i>E. coli</i>	11	11	<i>E. coli</i>	ATCC 25922	17-23			
										<i>Staphylococcus</i> spp.	13	13	<i>S. aureus</i>	ATCC 29213	17-23			
										<i>Enterococcus</i> spp.	15	15	<i>E. faecalis</i>	ATCC 29212	18-24			
										Streptococcus groups A,B,C and G	15	15	<i>S. pneumoniae</i>	ATCC 49619	25-31			
										<i>A. sanguinicola</i> and <i>urinae</i>	16	16						
Nitrofurantoin	F	300	Enterobacterales	17	15-16	14	<i>E. coli</i>	ATCC 25922	20-25	Not available			Not available					
							All staphylococci	17	15-16							<i>S. aureus</i>	ATCC 25923	18-22
							<i>Enterococcus</i> spp.	17	15-16							<i>S. pneumoniae</i>	ATCC 49619	23-29
Nitroxoline	NI	30	Not available				Not available			<i>E. coli</i>	15	15	<i>E. coli</i>	ATCC 25922	18-24			

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			S ≥	SDD	I R ≤	diameter (mm)	S ≥	R <	diameter (mm)	S ≥	R <	diameter (mm)			
Norfloxacin	NOR	10	Enterobacterales	17	13-16	12	<i>E. coli</i>	ATCC 25922	28-35	Enterobacterales	22	22	<i>E. coli</i>	ATCC 25922	28-35
			<i>P. aeruginosa</i>	17	13-16	12	<i>S. aureus</i>	ATCC 25923	17-28	<i>Staphylococcus</i> spp.	17	*	<i>S. aureus</i>	ATCC 29213	18-24
			<i>Staphylococcus</i> spp.	17	13-16	12	<i>P. aeruginosa</i>	ATCC 27853	22-29	<i>Enterococcus</i> spp.	12	12	<i>E. faecalis</i>	ATCC 29212	16-22
			<i>Enterococcus</i> spp.	17	13-16	12	<i>S. pneumoniae</i>	ATCC 49619	15-21	Streptococcus groups A,B,C and G	11	*	<i>S. pneumoniae</i>	ATCC 49619	18-24
Ofloxacin	OFX	5	Enterobacterales	16	13-15	12	<i>E. coli</i>	ATCC 25922	29-33	Enterobacterales	24	22	<i>E. coli</i>	ATCC 25922	29-33
			<i>P. aeruginosa</i>	16	13-15	12	<i>S. aureus</i>	ATCC 25923	24-28	<i>S. aureus</i>	50	20	<i>S. aureus</i>	ATCC 29213	21-27
			All staphylococci	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	17-21	Coagulase-negative staphylococci	50	24	<i>S. pneumoniae</i>	ATCC 49619	18-24
			<i>Haemophilus</i> spp.	16	-	-	<i>H. influenzae</i>	ATCC 49247	31-40	<i>S. pneumoniae</i>	50	13	<i>H. influenzae</i>	ATCC 49766	31-37
			<i>S. pneumoniae</i>	16	13-15	12	<i>N. gonorrhoeae</i>	ATCC 49226	43-51	<i>S. pneumoniae</i>	30	30			
			Streptococcus spp. β-Hemolytic group	16	13-15	12	<i>S. pneumoniae</i>	ATCC 49619	16-21	<i>H. influenzae</i>	30	30			
			Streptococcus spp. Viridans group	16	13-15	12				<i>M. catarrhalis</i>	28	28			
Oxacillin	OX	1	<i>S. epidermidis</i>	18	-	17	<i>S. aureus</i>	ATCC 25923	18-24	<i>S. pseudintermedius</i> and <i>S. schleiferi</i>	20	20	<i>S. pneumoniae</i>	ATCC 49619	8-14
			<i>S. pseudintermedius</i> and <i>S. schleiferi</i>	18	-	17	<i>S. pneumoniae</i>	ATCC 49619	≤12	<i>S. pneumoniae</i>	20	*	<i>S. aureus</i>	ATCC 29213	19-25
			<i>S. pneumoniae</i>	20	-	-									
Pefloxacin	PEF	5	<i>Salmonella</i> spp.	24	-	23	<i>E. coli</i>	ATCC 25922	25-33	<i>Salmonella</i> spp. <i>Vibrio</i> spp.	24 20	24 20	<i>E. coli</i>	ATCC 25922	26-32
Penicillin G	P	1 unit	Not available			Not available			<i>S. aureus</i>	26	26	<i>S. aureus</i>	ATCC 29213	12-18	
									<i>S. lugdunensis</i>	26	26	<i>S. pneumoniae</i>	ATCC 49619	16-22	
									Streptococcus groups A,B,C and G (other than meningitis)	18	18	<i>H. influenzae</i>	ATCC 49766	15-21	
									Streptococcus groups A,B,C and G (meningitis)	19	19	<i>H. influenzae</i>	ATCC 49247	6-9	
									Viridans group streptococci	18	*	<i>C. perfringens</i>	ATCC 13124	23-29	
									Viridans group streptococci (screen)	18	18				
									<i>H. influenzae</i>	12	*				
									<i>Prevotella</i> spp.	20	20				
									<i>F. necrophorum</i>	25	25				
									<i>C. perfringens</i>	15	15				
									<i>C. acnes</i>	24	24				
									<i>L. monocytogenes</i>	13	13				
									<i>P. multocida</i>	17	17				
						<i>Corynebacterium</i> spp.	29	29							
						<i>A. sanguinicola</i> and <i>urinae</i>	21	21							
						<i>K. kingae</i>	25	25							
Penicillin G	P	10 units	All staphylococci	29	-	28	<i>S. aureus</i>	ATCC 25923	26-37	Not available			Not available		
			<i>Enterococcus</i> spp.	15	-	14	<i>N. gonorrhoeae</i>	ATCC 49226	26-34						
			<i>N. gonorrhoeae</i>	47	27-46	26	<i>S. pneumoniae</i>	ATCC 49619	24-30						
			Streptococcus spp. β-Hemolytic group	24	-	-									
Piperacillin	PRL	30	Not available			Not available			Enterobacterales	20	20	<i>E. coli</i>	ATCC 25922	21-27	
									<i>Pseudomonas</i> spp.	50	18	<i>E. coli</i>	ATCC 35218	9-15	

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>				CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>			
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)					
Piperacillin	PRL	100					<i>E. coli</i>	ATCC 25922	24-30	Not available			Not available			
							<i>P. aeruginosa</i>	ATCC 27853	25-33							
							<i>E. coli</i>	ATCC 35218	12-18							
Piperacillin-tazobactam	TZP	36 (30/6)	Not available				Not available			Enterobacterales	20	20	<i>E. coli</i>	ATCC 25922	21-27	
										<i>Pseudomonas</i> spp.	50	18	<i>P. aeruginosa</i>	ATCC 27853	23-29	
										<i>H. influenzae</i>	27	27	<i>E. coli</i>	ATCC 35218	21-27	
										<i>Bacteroides</i> spp. except	20	20	<i>K. pneumoniae</i>	ATCC 700603	14-20	
										<i>B. thetaiotaomicron</i>			<i>H. influenzae</i>	ATCC 49766	32-40	
										<i>Prevotella</i> spp.	26	26	<i>B. fragilis</i>	ATCC 25285	29-35	
										<i>F. necrophorum</i>	32	32	<i>C. perfringens</i>	ATCC 13124	30-36	
										<i>C. perfringens</i>	24	24				
										<i>C. acnes</i>	27	27				
										<i>Vibrio</i> spp.	26	26				
Piperacillin-tazobactam	TZP	110 (100/10)	<i>Enterobacterales</i>	25	21-24	-	20	<i>E. coli</i>	ATCC 25922	24-30	Not available			Not available		
			<i>P. aeruginosa</i>	21		15-20	14	<i>S. aureus</i>	ATCC 25923	27-36						
			<i>Acinetobacter</i> spp.	21		18-20	17	<i>P. aeruginosa</i>	ATCC 27853	25-33						
			<i>Haemophilus</i> spp.	21		-	-	<i>E. coli</i>	ATCC 35218	24-30						
								<i>H. influenzae</i>	ATCC 49247	33-38						
Polymyxin B	PB	300 units	Not available				<i>E. coli</i>	ATCC 25922	13-19	Not available			Not available			
							<i>P. aeruginosa</i>	ATCC 27853	14-18							
Quinupristin-dalfopristin	QDA	15	<i>S. aureus</i>	19	16-18	15	<i>S. aureus</i>	ATCC 25923	21-28	<i>Staphylococcus</i> spp.	21	18	<i>S. aureus</i>	ATCC 29213	21-27	
			<i>Enterococcus</i> spp.	19	16-18	15	<i>H. influenzae</i>	ATCC 49247	15-21	<i>Enterococcus</i> spp.	22	20	<i>E. faecalis</i>	ATCC 29212	11-17	
			<i>S. pneumoniae</i>	19	16-18	15	<i>S. pneumoniae</i>	ATCC 49619	19-24							
			Streptococcus spp. β-Hemolytic group	19	16-18	15										
			Streptococcus spp. Viridans group	19	16-18	15										
Rifampicin	RD	5	All staphylococci	20	17-19	16	<i>E. coli</i>	ATCC 25922	8-10	<i>Staphylococcus</i> spp.	26	26	<i>S. aureus</i>	ATCC 29213	30-36	
			<i>Enterococcus</i> spp.	20	17-19	16	<i>S. aureus</i>	ATCC 25923	26-34	Streptococcus groups A,B,C and G	21	21	<i>S. pneumoniae</i>	ATCC 49619	26-32	
			<i>Haemophilus</i> spp.	20	17-19	16	<i>H. influenzae</i>	ATCC 49247	22-30	<i>S. pneumoniae</i>	22	22	<i>H. influenzae</i>	ATCC 49766	21-27	
			<i>S. pneumoniae</i>	19	17-18	16	<i>S. pneumoniae</i>	ATCC 49619	25-30	<i>H. influenzae</i>	18	18				
			<i>N. meningitidis</i>	25	20-24	19				<i>Corynebacterium</i> spp.	30	25				
										<i>A. sanguinicola</i> and <i>urinae</i>	25	25				
										<i>K. kingae</i>	20	20				
Spectinomycin	SPC	100	<i>N. gonorrhoeae</i>	18	15-17	14	<i>N. gonorrhoeae</i>	ATCC 49226	23-29	Not available			Not available			
Streptomycin	S	10	Enterobacterales	15	12-14	11	<i>E. coli</i>	ATCC 25922	12-20	Not available			Not available			
							<i>S. aureus</i>	ATCC 25923	14-22							
Streptomycin	S	300	<i>Enterococcus</i> spp. (Screening Test for HLAR)	10			<i>E. faecalis</i>	ATCC 29212	14-20	<i>Enterococcus</i> spp. (Test for HLAR)	19	19	<i>E. faecalis</i>	ATCC 29212	14-20	
							<i>E. faecalis</i>	ATCC 51299	6				<i>E. faecalis</i>	ATCC 51299	6	
Sulfonamide	S3	300	Enterobacterales	17	13-16	12	<i>E. coli</i>	ATCC 25922	15-23	Not available			Not available			
			All staphylococci	17	13-16	12	<i>S. aureus</i>	ATCC 25923	24-34							
Tedizolid	TZD	2	Not available				<i>S. aureus</i>	ATCC 25923	18-24	<i>Staphylococcus</i> spp.	20	20	<i>S. aureus</i>	ATCC 29213	19-25	
							<i>E. faecalis</i>	ATCC 29212	14-21	Streptococcus groups A, B, C and G	18	18	<i>S. pneumoniae</i>	ATCC 49619	19-25	
							<i>S. pneumoniae</i>	ATCC 49619	18-25	<i>S. anginosus</i> group	18	18				

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			S ≥	SDD	I R ≤	diameter (mm)	S ≥	R <	diameter (mm)	S ≥	R <	diameter (mm)		
Teicoplanin	TEC	30	<i>Enterococcus</i> spp.	14	11-13	10	<i>S. aureus</i> ATCC 25923	15-21	<i>Enterococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> Viridans group streptococci	16 15 17 16	16 15 17 16	<i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619 <i>E. faecalis</i> ATCC 51299	15-21 18-24 16-20	
Telithromycin	TEL	15	<i>Haemophilus</i> spp.	15	12-14	11	<i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	24-30 17-23 27-33	Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	22 25 50 23	19 22 12 20	<i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	27-33 14-20	
Temocillin	TMO	30	Not available				Not available		<i>E. coli</i> , <i>Klebsiella</i> spp. (except <i>K. aerogenes</i> ), <i>P. mirabilis</i>	50	17	<i>E. coli</i> ATCC 25922	16-22	
Tetracycline	TE	30	Enterobacterales <i>Acinetobacter</i> spp. All staphylococci <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i> <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group	15 15 19 19 29 38 23 23 23	12-14 12-14 15-18 15-18 26-28 31-37 19-22 19-22	11 11 14 14 25 30 18 18	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>N. gonorrhoeae</i> ATCC 49226 <i>S. pneumoniae</i> ATCC 49619	18-25 24-30 14-22 30-42 27-31	Staphylococcus spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>P. multocida</i> <i>C. jejuni</i> <i>C. coli</i> <i>Corynebacterium</i> spp. <i>K. kingae</i> <i>Vibrio</i> spp. <i>B. pseudomallei</i>	22 23 25 25 26 24 30 30 24 28 20 23	22 23 25 25 26 24 30 30 24 28 20 23	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766 <i>C. jejuni</i> ATCC 33560	23-31 28-34 28-34 30-38	
Ticarcillin	TC	75	Not available				<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218	24-30 21-27 6	Enterobacterales <i>Pseudomonas</i> spp.	23 50	20 18	<i>E. coli</i> ATCC 25922	24-30	
Ticarcillin-clavulanic acid	TTC	85 (75/10)	Enterobacterales <i>P. aeruginosa</i> <i>Acinetobacter</i> spp.	20 24 20	15-19 16-23 15-19	14 15 14	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218	24-30 29-37 20-28 21-25	Enterobacterales <i>Pseudomonas</i> spp.	23 50	20 18	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218	24-30 20-28 21-25	
Tigecycline	TGC	15	Not available				<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>H. influenzae</i> ATCC 49247 <i>N. gonorrhoeae</i> ATCC 49226 <i>S. pneumoniae</i> ATCC 49619	20-27 20-25 9-13 23-31 30-40 23-29	<i>E. coli</i> Staphylococcus spp. <i>E. faecalis</i> <i>E. faecium</i> Streptococcus groups A,B,C and G	18 19 20 22 19	18 19 22 22 19	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619	20-27 19-25 20-26 24-30	
Tobramycin	TOB	10	Enterobacterales <i>P. aeruginosa</i> <i>Acinetobacter</i> spp.	15 15 15	13-14 13-14 13-14	12 12 12	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	18-26 19-29 20-26	Enterobacterales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci	16 18 17 (18) (20)	16 18 17 (18) (20)	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>S. aureus</i> ATCC 29213	18-26 20-26 20-26	
Trimethoprim	TM	5	Enterobacterales All staphylococci	16 16	11-15 11-15	10 10	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	21-28 19-26	Enterobacterales Staphylococcus spp.	15 14	15 14	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212	21-28 22-28 24-32	

Antibiotic	CODE	µg	CLSI INTERPRETATIVE CRITERIA <sup>1</sup>			CLSI QUALITY CONTROL <sup>1</sup>			EUCAST INTERPRETATIVE CRITERIA <sup>2</sup>			EUCAST QUALITY CONTROL <sup>3</sup>			
			S ≥	SDD	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)				
Trimethoprim-sulfamethoxazole	SXT	25 (1.25/23.75)	Enterobacterales	16	11-15	10	<i>E. coli</i>	ATCC 25922	23-29	Enterobacterales	14	11	<i>E. coli</i>	ATCC 25922	23-29
			<i>Acinetobacter</i> spp.	16	11-15	10	<i>S. aureus</i>	ATCC 25923	24-32	<i>S. maltophilia</i>	50	16	<i>S. aureus</i>	ATCC 29213	26-32
			<i>B. cepacia</i>	16	11-15	10	<i>H. influenzae</i>	ATCC 49247	24-32	<i>Acinetobacter</i> spp.	14	11	<i>E. faecalis</i>	ATCC 29212	26-34
			<i>S. maltophilia</i>	16	11-15	10	<i>S. pneumoniae</i>	ATCC 49619	20-28	<i>Staphylococcus</i> spp.	17	14	<i>S. pneumoniae</i>	ATCC 49619	18-26
			All staphylococci	16	11-15	10				Streptococcus groups	18	15	<i>H. influenzae</i>	ATCC 49766	27-35
			<i>Haemophilus</i> spp.	16	11-15	10				A,B,C and G					
			<i>S. pneumoniae</i>	19	16-18	15				<i>S. pneumoniae</i>	13	10			
			<i>N. meningitidis</i>	30	26-29	25				<i>H. influenzae</i>	23	20			
										<i>M. catarrhalis</i>	18	15			
										<i>L. monocytogenes</i>	29	29			
Vancomycin	VA	5	Not available			Not available			<i>P. multocida</i>	23	23				
									<i>K. kingae</i>	28	28				
									<i>Aeromonas</i> spp.	19	16				
									<i>Vibrio</i> spp.	18	18				
									<i>B. pseudomallei</i>	50	17				
									<i>Enterococcus</i> spp.	12	12	<i>E. faecalis</i>	ATCC 29212	10-16	
									Streptococcus groups	13	13	<i>S. pneumoniae</i>	ATCC 49619	17-23	
									A,B,C and G			<i>E. faecalis</i>	ATCC 51299	6-12	
									<i>S. pneumoniae</i>	16	16	<i>C. perfringens</i>	ATCC 13124	14-20	
									Viridans group streptococci	15	15				
Vancomycin	VA	30	<i>Enterococcus</i> spp.	17	15-16	14	<i>S. aureus</i>	ATCC 25923	17-21	Not available			Not available		
			<i>S. pneumoniae</i>	17	-	-	<i>S. pneumoniae</i>	ATCC 49619	20-27						
			Streptococcus spp. β-Hemolytic Group	17	-	-									
			Streptococcus spp. Viridans Group	17	-	-									

\* Refer to EUCAST breakpoint tables.

**Note:** For information on how to use breakpoints in brackets, see <https://www.eucast.org/eucastguidancedocuments/>.

## References

1. CLSI. Performance Standards for Antimicrobial Susceptibility Testing; 32nd ed. CLSI Supplement M100S. Wayne, PA: Clinical and Laboratory Standards Institute; 2022.
2. The European Committee on Antimicrobial Susceptibility Testing. Breakpoint tables for interpretation of MICs and zone diameters. Version 12.0, 2022. <http://www.eucast.org>
3. The European Committee on Antimicrobial Susceptibility Testing. Routine and extended internal quality control for MIC determination and disk diffusion as recommended by EUCAST. Version 12.0, 2022. <http://www.eucast.org>
4. The European Committee on Antimicrobial Susceptibility Testing. Disk diffusion anaerobic bacteria Version 1.0, January 2022. <http://www.eucast.org>



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## Veterinary

Antibiotic	CODE	µg	INTERPRETATIVE CRITERIA <sup>5</sup>	Swine			Cattle			Poultry			Horses			Dogs			Cats							
				S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤					
				diameter (mm)																						
Cefpodoxime	PX	10	<i>E. coli</i> , <i>P. mirabilis</i> -															21	18-20	17						
			<i>S. aureus</i> and <i>S. pseudintermedius</i>																21	18-20	17					
			<i>S. canis</i>																21	18-20	17					
			<i>P. multocida</i>																			21	18-20	17		
Ceftiofur	FUR	30	<i>E. coli</i>	21	18-20	17	21	18-20	17																	
			<i>Salmonella choleraesuis</i>																							
			<i>S. aureus</i>																							
			<i>S. equi</i>												22	-	-									
			<i>S. suis</i>	21	18-20	17																				
			<i>S. agalactiae</i> , <i>S. dysgalactiae</i> , <i>S. uberis</i>																							
			<i>M. haemolytica</i>																							
			<i>P. multocida</i>	21	18-20	17	21	18-20	17																	
Clindamycin	CD	2	<i>Staphylococcus</i> spp.															21	15-20	14						
			<i>Streptococcus</i> spp. β-Hemolytic Group																21	15-20	14					
Doxycycline	DXT	30	<i>S. pseudintermedius</i>															25	21-24	20						
Enrofloxacin	ENR	5	Enterobacteriaceae																23	17-22	16	23	17-22	16		
			<i>E. coli</i>																							
			<i>P. aeruginosa</i>																				23	17-22	16	
			<i>Staphylococcus</i> spp.																		23	17-22	16	23	17-22	16
			<i>Streptococcus</i> spp.																		23	17-22	16	23	17-22	16
			<i>M. haemolytica</i>																							
			<i>P. multocida</i>	23	19-22	18	21	17-20	16																	
			<i>A. pleuropneumoniae</i>	23	19-22	18																				
Gentamicin	CN	10	Enterobacteriaceae															16	13-15	12	16	13-15	12			
			<i>P. aeruginosa</i>																16	13-15	12	16	13-15	12		
			<i>A. pleuropneumoniae</i>																16	13-15	12					
Florfenicol	FFC	30	<i>S. suis</i>	22	19-21	18																				
			<i>B. bronchiseptica</i>	22	19-21	18																				
			<i>M. haemolytica</i>																							
			<i>P. multocida</i>	22	19-21	18																	19	15-18	14	
			<i>A. pleuropneumoniae</i>	22	19-21	18																				
			<i>H. somni</i>																							

Antibiotic	CODE	µg	INTERPRETATIVE CRITERIA <sup>5</sup>	Swine			Cattle			Poultry			Horses			Dogs			Cats						
				S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤	S ≥	I	R ≤				
				diameter (mm)																					
Marbofloxacin	MAR	5	Enterobacteriaceae																20	15-19	14	20	15-19	14	
			<i>Staphylococcus</i> spp.																	20	15-19	14	20	15-19	14
			<i>Streptococcus</i> spp.																		20	15-19	14	20	15-19
Spectinomycin	SPC	100	<i>M. haemolytica</i>				14	11-13	10																
			<i>P. multocida</i>				14	11-13	10																
			<i>H. somni</i>				14	11-13	10																
Tetracycline	TE	30	<i>Staphylococcus</i> spp.															23	18-22	17					
Tiamulin	T	30	<i>A. pleuropneumoniae</i>	9	-	8																			
Tilmicosin	TIL	15	<i>M. haemolytica</i>				14	11-13	10																
			<i>P. multocida</i>	11	-	10																			
			<i>A. pleuropneumoniae</i>	11	-	10																			

For QC ranges not shown below, see the clinical section

Antibiotic	CODE	µg	<i>E. coli</i> ATCC® 25922	<i>S. aureus</i> ATCC® 25923	<i>P. aeruginosa</i> ATCC® 27853	<i>S. pneumoniae</i> ATCC® 49619
			QUALITY CONTROL zone diameter (mm)			
Apramycin	AP	15	15-20	17-24	13-18	-
Ceftiofur	FUR	30	26-31	27-31	14-18	32-34
Enrofloxacin	ENR	5	32-40	27-31	15-19	-
Florfenicol	FFC	30	22-28	22-29	-	24-31
Marbofloxacin	MAR	5	29-37	24-30	20-25	-
Neomycin	N	30	17-23	18-26	-	-
Spectinomycin	SPC	100	21-25	13-17	10-14	-
Tiamulin	T	30	-	25-32	-	-
Tilmicosin	TIL	15	-	17-21	-	-
Tylosin	TY	30	-	18-26	-	-

### References (Cont.)

- CLSI. Performance Standards for Antimicrobial Disk and Dilution Susceptibility Tests for Bacteria Isolated From Animals; 4th ed. CLSI supplement VET08. Wayne, PA: Clinical and Laboratory Standards Institute; 2018.



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