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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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ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD	I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)				
Amikacin	AK	30	Enterobacteriaceae	17		15-16	14	<i>E. coli</i>	ATCC 25922	19-26	Enterobacterales	18	15	<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.	18	15	<i>P. aeruginosa</i>	ATCC 27853	18-26		
			<i>Acinetobacter</i> spp.	17		15-16	14	<i>P. aeruginosa</i>	ATCC 27853	18-26	<i>Acinetobacter</i> spp.	19	17	<i>S. aureus</i>	ATCC 29213	18-24		
											<i>S. aureus</i>	18	16					
										Coagulase-negative staphylococci	22	19						
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>	15	15	<i>H. influenzae</i>	ATCC 49766	17-23			
										<i>M. catarrhalis</i>	19	19	<i>S. aureus</i>	ATCC 29213	19-25			
										<i>P. multocida</i>	15	15						
Amoxicillin-clavulanic acid	AUG	30 (20/10)	Enterobacteriaceae	18		14-17	13	<i>E. coli</i>	ATCC 25922	18-24	Enterobacterales	19	19	<i>E. coli</i>	ATCC 29212	18-24		
			<i>Haemophilus</i> spp.	20		-	19	<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								
Ampicillin	AMP	2	Not available					Not available		<i>S. saprophyticus</i>	18	18	<i>S. aureus</i>	ATCC 29213	15-21			
											<i>Enterococcus</i> spp.	10	8	<i>E. faecalis</i>	ATCC 29212	15-21		
												<i>S. pneumoniae</i>	22	16	<i>S. pneumoniae</i>	ATCC 49619	25-31	
												Viridans group streptococci	21	15	<i>H. influenzae</i>	ATCC 49766	19-25	
												<i>H. influenzae</i>	16	16	<i>H. influenzae</i>	ATCC 49247	6-12	
												<i>L. monocytogenes</i>	16	16				
												<i>P. multocida</i>	17	17				
												<i>A. sanguincola</i> and <i>urinae</i>	26	26				
Ampicillin	AMP	10	Enterobacteriaceae	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)	Enterobacteriaceae	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							
Azithromycin	AZM	15	<i>S. Typhi</i>	13		-	12	<i>S. aureus</i>	ATCC 25923	21-26	Not available		Not available					
			All staphylococci	18		14-17	13	<i>H. influenzae</i>	ATCC 49247	13-21								
			<i>Haemophilus</i> spp.	12		-	-	<i>S. pneumoniae</i>	ATCC 49619	19-25								
			<i>S. pneumoniae</i>	18		14-17	13	<i>N. gonorrhoeae</i>	ATCC 49226	30-38								
			<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>	ATCC 27853	24-30	Not available		Not available						

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			S ≥	SDD diameter (mm)	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)						
Aztreonam	ATM	30	Enterobacteriaceae	21	18-20	17	<i>E. coli</i>	ATCC 25922	28-36	Enterobacteriales	26	21	<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>Pseudomonas</i> spp.	18	18	<i>P. aeruginosa</i>	ATCC 27853	23-29		
			<i>Haemophilus</i> spp.	26	-	-	<i>E. coli</i>	ATCC 35218	31-38	<i>Aeromonas</i> spp.	29	26	<i>K. pneumoniae</i>	ATCC 700603	9-17		
							<i>K. pneumoniae</i>	ATCC 700603	10-16								
			<i>H. influenzae</i>			<i>H. influenzae</i>	ATCC 49247	30-38									
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	Enterobacteriaceae	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			Enterobacteriales	12	12	<i>E. coli</i>	ATCC 25922	14-20			
Cefamandole	MA	30	Enterobacteriaceae	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	Enterobacteriaceae	23	20-22	19	<i>E. coli</i>	ATCC 25922	21-27	Not available			Not available				
			Enterobacteriaceae (test for uncomplicated UTI)	15	-	14	<i>S. aureus</i>	ATCC 25923	29-35								
Cefepime	FEP	30	Enterobacteriaceae	25	19-24	-	18	<i>E. coli</i>	ATCC 25922	31-37	Enterobacteriales	27	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>Pseudomonas</i> spp.	21	21	<i>P. aeruginosa</i>	ATCC 27853	24-30	
			<i>Acinetobacter</i> spp.	18	-	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	25-31	Viridans group	25	25	<i>S. pneumoniae</i>	ATCC 49619	31-37	
			<i>Haemophilus</i> spp.	26	-	-	-	<i>K. pneumoniae</i>	ATCC 700603	23-29	streptococci			<i>H. influenzae</i>	ATCC 49766	30-36	
			<i>N. gonorrhoeae</i>	31	-	-	-	<i>E. coli</i>	NCTC 13353	6-15	<i>H. influenzae</i>	28	28				
			<i>Streptococcus</i> spp. β-	24	-	-	-	<i>A. baumannii</i>	NCTC 13304	6-16	<i>M. catarrhalis</i>	20	20				
			Hemolytic group					<i>H. influenzae</i>	ATCC 49247	25-31	<i>Aeromonas</i> spp.	27	24				
			<i>Streptococcus</i> spp.	24	22-23	21		<i>N. gonorrhoeae</i>	ATCC 49226	37-46							
			Viridans group					<i>S. pneumoniae</i>	ATCC 49619	28-35							
			Cefiderocol	FDC	30	Not available			<i>E. coli</i>	ATCC 25922	25-31	Not available			Not available		
									<i>P. aeruginosa</i>	ATCC 27853	22-31						
Cefixime	CFM	5	Enterobacteriaceae	19	16-18	15	<i>E. coli</i>	ATCC 25922	20-26	Enterobacteriales	17	17	<i>E. coli</i>	ATCC 25922	20-26		
			<i>Haemophilus</i> spp.	21	-	-	<i>H. influenzae</i>	ATCC 49247	25-33	<i>H. influenzae</i>	26	26	<i>H. influenzae</i>	ATCC 49766	29-35		
			<i>N. gonorrhoeae</i>	31	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	37-45	<i>M. catarrhalis</i>	21	18					
							<i>S. pneumoniae</i>	ATCC 49619	16-23								
Cefoperazone	CFP	75	Enterobacteriaceae	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									
Cefotaxime	CTX	5	Not available				Not available		Enterobacteriales	20	17	<i>E. coli</i>	ATCC 25922	25-31			
									Viridans group	23	23	<i>S. pneumoniae</i>	ATCC 49619	28-34			
									streptococci			<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									
Cefotaxime	CTX	30	Enterobacteriaceae	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-	24	-	-	<i>H. influenzae</i>	ATCC 49247	31-39								
			Hemolytic group				<i>N. gonorrhoeae</i>	ATCC 49226	38-48								
			<i>Streptococcus</i> spp.	28	26-27	25	<i>S. pneumoniae</i>	ATCC 49619	31-39								
			Viridans group														
			<i>N. meningitidis</i>	34	-	-											

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			S ≥	SDD diameter (mm)	I R ≤	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)						
Cefotetan	CTT	30	Enterobacteriaceae <i>N. gonorrhoeae</i>	16 26	13-15 20-25	12 19	<i>E. coli</i> <i>S. aureus</i> <i>N. gonorrhoeae</i>	ATCC 25922 ATCC 25923 ATCC 49226	28-34 17-23 30-36	Not available			Not available				
Cefoxitin	FOX	30	Enterobacteriaceae <i>S. aureus</i> and <i>S. lugdunensis</i> <i>S. epidermidis</i> (surrogate test for oxacillin) 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. schleifen</i> (surrogate test for oxacillin) <i>N. gonorrhoeae</i>	18 22 25 25 28	15-17 - - - 24-27	14 21 24 24 23	<i>E. coli</i> <i>S. aureus</i> <i>N. gonorrhoeae</i>	ATCC 25922 ATCC 25923 ATCC 49226	23-29 23-29 33-41	Enterobacterales <i>S. aureus</i> and coagulase-negative staphylococci other than <i>S. epidermidis</i> <i>S. epidermidis</i>	19 22 25	19 22 25	<i>E. coli</i> <i>S. aureus</i> <i>S. aureus</i>	ATCC 25922 ATCC 29213 NCTC 12493	23-29 24-30 14-20		
Cefpodoxime	PX	10	Enterobacteriaceae <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	21 21 29	18-20 - -	17 - -	<i>E. coli</i> <i>S. aureus</i> <i>K. pneumoniae</i> <i>H. influenzae</i> <i>N. gonorrhoeae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 700603 ATCC 49247 ATCC 49226 ATCC 49619	23-28 19-25 9-16 25-31 35-43 28-34	Enterobacterales <i>H. influenzae</i>	21 26	21 26	<i>E. coli</i> <i>S. pneumoniae</i> <i>H. influenzae</i> <i>K. pneumoniae</i>	ATCC 25922 ATCC 49619 ATCC 49766 ATCC 700603	23-28 29-35 30-36 9-16		
Cefprozil	CPR	30	Enterobacteriaceae <i>Haemophilus</i> spp.	18 18	15-17 15-17	14 14	<i>E. coli</i> <i>S. aureus</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 49766 ATCC 49619	21-27 27-33 20-27 25-32	Not available			Not available				
Ceftaroline	CPT	5	Not available			Not available			Not available			Enterobacterales <i>S. aureus</i> (indications other than pneumonia) <i>S. aureus</i> (pneumonia)	23 20 20	23 17 20	<i>E. coli</i> <i>S. aureus</i>	ATCC 25922 ATCC 29213	24-30 24-30
Ceftaroline	CPT	30	Enterobacteriaceae <i>S. aureus</i> only including MRSA <i>Haemophilus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group	23 25 30 26 26	20-22 20-24 - - -	19 19 - - -	<i>E. coli</i> <i>S. aureus</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 49247 ATCC 49619	26-34 26-35 29-39 31-41	Not available			Not available				
Ceftazidime	CAZ	10	Not available			Not available			Not available			Enterobacterales <i>Pseudomonas</i> spp. <i>Aeromonas</i> spp.	22 16 24	19 16 21	<i>E. coli</i> <i>P. aeruginosa</i> <i>K. pneumoniae</i>	ATCC 25922 ATCC 27853 ATCC 700603	23-29 21-27 6-12
Ceftazidime	CAZ	30	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>Haemophilus</i> spp.	21 18 18 21 26	18-20 15-17 15-17 18-20 -	17 14 14 17 -	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>K. pneumoniae</i> <i>H. influenzae</i> <i>N. gonorrhoeae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 700603 ATCC 49247 ATCC 49226	25-32 16-20 22-29 10-18 27-35 35-43	Not available			Not available				
Ceftazidime-avibactam	CZA	14 (10/4)	Not available			Not available			Not available			Enterobacterales <i>P. aeruginosa</i>	13 17	13 17	<i>P. aeruginosa</i> <i>K. pneumoniae</i>	ATCC 27853 ATCC 700603	21-27 18-24

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Ceftazidime-avibactam	CZA	50 (30/20)	Enterobacteriaceae <i>P. aeruginosa</i>	21 21			20 20	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218 <i>K. pneumoniae</i> ATCC 700603 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	27-35 16-22 25-31 28-35 21-27 28-34 23-31	Not available			Not available	
Ceftibuten	CTB	30	Enterobacteriaceae <i>Haemophilus</i> spp.	21 28		18-20 -	17 -	<i>E. coli</i> ATCC 25922 <i>H. influenzae</i> ATCC 49247	27-35 29-36	Enterobacteriales <i>H. influenzae</i>	23 25	23 25	<i>E. coli</i> ATCC 25922 <i>H. influenzae</i> ATCC 49766	27-35 31-37
Ceftiofur	FUR	30	CLSI VET08 ⁴ <i>E. coli</i> - Cattle <i>S. choleraesuis</i> - Swine <i>S. aureus</i> - Cattle <i>S. equi</i> subsp. <i>zooepidemicus</i> - Horses <i>S. suis</i> - Swine <i>S. agalactiae</i> , <i>S. dysgalactiae</i> , <i>S. uberis</i> - Cattle <i>M. haemolytica</i> - Cattle <i>P. multocida</i> - Swine - Cattle <i>A. pleuropneumoniae</i> - Swine <i>H. somni</i> - Cattle	21 21 21 22 21 21 21 21 21 21 21		18-20 18-20 18-20 - 18-20 18-20 18-20 18-20 18-20 18-20 18-20	17 17 17 - 17 17 17 17 17 17 17	CLSI VET08 ⁴ <i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	26-31 27-31 14-18	Not available			Not available	
Ceftizoxime	CZX	30	Enterobacteriaceae <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	25 26 38		22-24 - -	21 - -	<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	30-36 27-35 12-17 29-39 42-51 28-34	Not available			Not available	
Ceftobiprole	BPR	5	Not available					Not available		Enterobacteriales <i>S. aureus</i>	23 17	23 17	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213	25-31 22-28
Ceftolozane-tazobactam	C/T	40 (30/10)	Enterobacteriaceae <i>P. aeruginosa</i>	21 21		18-20 17-20	17 16	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218 <i>K. pneumoniae</i> ATCC 700603 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	24-32 10-18 25-31 25-31 17-25 23-29 21-29	Enterobacteriales <i>P. aeruginosa</i>	23 24	23 24	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218 <i>K. pneumoniae</i> ATCC 700603	24-32 25-31 25-31 17-25
Ceftriaxone	CRO	30	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i> <i>Streptococcus</i> spp. β- Hemolytic group <i>Streptococcus</i> spp. Viridans group <i>N. meningitidis</i>	23 21 26 35 24 27 34		20-22 14-20 - - - 25-26 -	19 13 - - - 24 -	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>K. pneumoniae</i> ATCC 700603 <i>H. influenzae</i> ATCC 49247 <i>N. gonorrhoeae</i> ATCC 49226 <i>S. pneumoniae</i> ATCC 49619	29-35 22-28 17-23 16-24 31-39 39-51 30-35	Enterobacteriales Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> <i>K. kingae</i>	25 27 32 24 30	22 27 32 21 30	<i>E. coli</i> ATCC 25922 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766 <i>K. pneumoniae</i> ATCC 700603	29-35 32-38 34-42 16-22

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Cefuroxime	CXM	30	Enterobacteriaceae (Parenteral)	18	15-17	14		<i>E. coli</i> ATCC 25922	20-26	Enterobacteriales	19	19	<i>E. coli</i> ATCC 25922	20-26
			Enterobacteriaceae (Oral)	23	15-22	14		<i>S. aureus</i> ATCC 25923	27-35	Viridans group streptococci	26	26	<i>S. pneumoniae</i> ATCC 49619	28-34
			<i>Haemophilus</i> spp.	20	17-19	16		<i>H. influenzae</i> ATCC 49766	28-36	<i>H. influenzae</i> (iv)	27	25	<i>H. influenzae</i> ATCC 49766	26-34
								<i>N. gonorrhoeae</i> ATCC 49226	33-41	<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		Enterobacteriales	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	<i>Enterobacteriaceae</i>	18	13-17	12		<i>E. coli</i> ATCC 25922	21-27	Enterobacteriales	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								
Cinoxacin	CIN	100	Enterobacteriaceae	19	15-18	14		<i>E. coli</i> ATCC 25922	26-32	Not available			Not available	
Ciprofloxacin	CIP	5	Enterobacteriaceae except <i>Salmonella</i> spp.	26	22-25	21		<i>E. coli</i> ATCC 25922	29-37	Enterobacteriales	25	22	<i>E. coli</i> ATCC 25922	29-37
			<i>Salmonella</i> spp.	31	21-30	20		<i>S. aureus</i> ATCC 25923	22-30	<i>Pseudomonas</i> spp.	26	26	<i>P. aeruginosa</i> ATCC 27853	25-33
			<i>P. aeruginosa</i>	25	19-24	18		<i>P. aeruginosa</i> ATCC 27853	25-33	<i>Acinetobacter</i> spp.	50	21	<i>S. aureus</i> ATCC 29213	21-27
			<i>Acinetobacter</i> spp.	21	16-20	15		<i>H. influenzae</i> ATCC 49247	34-42	<i>S. aureus</i>	21	21	<i>E. faecalis</i> ATCC 29212	19-25
			All staphylococci	21	16-20	15		<i>N. gonorrhoeae</i> ATCC 49226	48-58	Coagulase-negative staphylococci	24	24	<i>S. pneumoniae</i> ATCC 49619	22-28
			<i>Enterococcus</i> spp.	21	16-20	15				(uncomplicated UTI only)			<i>H. influenzae</i> ATCC 49766	32-40
			<i>Haemophilus</i> spp.	21	-	-				<i>Enterococcus</i> spp. (uncomplicated UTI only)	15	15	<i>C. jejuni</i> ATCC 33560	34-42
			<i>N. gonorrhoeae</i>	41	28-40	27				<i>S. pneumoniae</i>	50	16		
			<i>N. Meningitidis</i>	35	33-34	32				<i>H. influenzae</i>	30	30		
										<i>M. catarrhalis</i>	31	31		
										<i>P. multocida</i>	27	27		
										<i>C. jejuni</i>	26	26		
										<i>C. coli</i>	26	26		
										<i>Corynebacterium</i> spp.	25	25		
										<i>A. sanguinicola</i> and <i>urinae</i>	21	21		
										<i>K. kingae</i>	28	28		
										<i>Aeromonas</i> spp.	27	24		
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								
			<i>Streptococcus</i> spp. Viridans group	21	17-20	16								

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD diameter (mm)	I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)
Clindamycin	CD	2	All staphylococci <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic Group <i>Streptococcus</i> spp. Viridans Group	21 19 19 19	15-20 16-18 16-18	14 15 15		<i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	24-30 19-25	<i>Staphylococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> Viridans group streptococci <i>Corynebacterium</i> spp.	22 17 19 19 20	19 17 19 19 20	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619	23-29 22-28
Colistin sulfate	CS	10	Not available					<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853	11-17 11-17	Not available			Not available	
Doripenem	DOR	10	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>Haemophilus</i> spp.	23 19 18 16	20-22 16-18 15-17	19 15 14 1		<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>S. pneumoniae</i> ATCC 49619	27-35 33-42 28-35 21-31 30-38	Not available			Not available	
Doxycycline	DXT	30	Enterobacteriaceae <i>Acinetobacter</i> spp. All staphylococci <i>Enterococcus</i> spp. <i>S. pneumoniae</i>	14 13 16 16 28	11-13 10-12 13-15 13-15 25-27	10 9 12 12 24		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	18-24 23-29 25-34	Not available			Not available	
Enrofloxacin	ENR	5	CLSI VET08 ⁴ Enterobacteriaceae - Dogs - Cats - <i>E. coli</i> - Poultry <i>P. aeruginosa</i> - Cats <i>Staphylococcus</i> spp. - Dogs - Cats <i>Streptococcus</i> spp. - Dogs - Cats <i>M. haemolytica</i> - Cattle <i>P. multocida</i> - Swine - Cattle <i>A. pleuropneumoniae</i> - Swine <i>H. somni</i> - Cattle	23 23 23 23 23 23 23 23 21 23 21 23 23	17-22 17-22 17-22 17-22 17-22 17-22 17-22 17-22 17-20 19-22 17-20 19-22 17-20	16 16 16 16 16 16 16 16 16 18 16 18 18		CLSI VET08 ⁴ <i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	32-40 27-31 15-19	Not available			Not available	
Eravacycline	ERV	20	Not available					<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	16-23 19-26 23-30	Not available			Not available	
Ertapenem	ETP	10	Enterobacteriaceae <i>Haemophilus</i> spp.	22 19	19-21	18 -		<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>H. influenzae</i> ATCC 49766 <i>S. pneumoniae</i> ATCC 49619	29-36 24-31 13-21 20-28 27-33 28-35	Enterobacteriales Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i>	25 22 23 29	25 22 23 29	<i>E. coli</i> ATCC 25922 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	29-36 28-34 27-33

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)
Erythromycin	E	15	All staphylococci <i>Enterococcus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group	23 23 21 21 21	14-22 14-22 16-20 16-20 16-20	13 13 15 15 15	<i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	22-30 25-30	<i>Staphylococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>L. monocytogenes</i> <i>C. jejuni</i> <i>C. coli</i> <i>K. kingae</i>	21 21 22 50 23 25 20 24 20	18 18 19 10 20 25 20 24 20	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766 <i>C. jejuni</i> ATCC 33560	23-29 26-32 10-16 27-35
Florfenicol	FFC	30	CLSI VET08 ⁴ <i>S. suis</i> - Swine <i>B. bronchiseptica</i> - Swine <i>M. haemolytica</i> - Cattle <i>P. multocida</i> - Swine <i>P. multocida</i> - Cattle <i>A. pleuropneumoniae</i> - Swine <i>H. somni</i> - Cattle	22 22 19 22 19 22 19	19-21 19-21 15-18 19-21 15-18 19-21 15-18	18 18 14 18 14 18 14	CLSI VET08 ⁴ <i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	22-28 22-29 24-31	Not available			Not available	
Fosfomicin (includes G-6-P)	FOS	200	Enterobacteriaceae (<i>E. coli</i> urinary tract isolates only) <i>Enterococcus</i> spp.	16 16	13-15 13-15	12 12	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	22-30 25-33	<i>E. coli</i>	24 24	24 24	<i>E. coli</i> ATCC 25922	26-34
Fusidic acid	FC	10	Not available				<i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	24-32 9-16	<i>Staphylococcus</i> spp.	24 24	24 24	<i>S. aureus</i> ATCC 29213	26-32
Gatifloxacin	GAT	5	Enterobacteriaceae <i>P. aeruginosa</i> <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	18 18 18 23 18 18 38 21 21 21	15-17 15-17 15-17 20-22 15-17 - 34-37 18-20 18-20 18-20	14 14 14 19 14 - 33 17 17 17	<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	30-37 27-33 20-28 33-41 45-56 24-31	Not available			Not available	
Gentamicin	CN	10	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. All staphylococci	15 15 15 15	13-14 13-14 13-14 13-14	12 12 12 12	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	19-26 19-27 16-21	Enterobacteriales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci <i>Corynebacterium</i> spp.	17 15 17 18 22 23	14 15 17 18 22 23	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>S. aureus</i> ATCC 29213	19-26 16-21 19-25
Gentamicin	CN	30	Not available				Not available		<i>Enterococcus</i> spp. (Test for HLAR)	8 8	8 8	<i>E. faecalis</i> ATCC 29212 <i>E. faecalis</i> ATCC 51299	12-18 6
Gentamicin	CN	120	<i>Enterococcus</i> spp. (Screening Test for HLAR)	10		6	<i>E. faecalis</i> ATCC 29212 <i>E. faecalis</i> ATCC 51299	16-23 6	Not available			Not available	

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Imipenem	IMI	10	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>Haemophilus</i> spp.	23 19 22 16	20-22	19 15 18 -		<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>K. pneumoniae</i> ATCC 700603 <i>K. pneumoniae</i> ATCC BAA-1705 <i>K. pneumoniae</i> ATCC BAA-2014 <i>H. influenzae</i> ATCC 49247	26-32 20-28 25-33 11-22 6-14 21-29	Enterobacteriales <i>M. morgani</i> , <i>Proteus</i> spp., <i>Providencia</i> spp. <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>Enterococcus</i> spp. Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i>	22 50 20 24 21 30 20 29	17 17 20 21 18 30 20 29	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	26-32 20-28 24-30 34-42 24-30
Kanamycin	K	30	Enterobacteriaceae	18	14-17	13		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	17-25 19-26	Not available			Not available	
Lefamulin	LMU	20	Not available					<i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	26-32 22-28 19-27	Not available			Not available	
Levofloxacin	LEV	5	Enterobacteriaceae except <i>Salmonella</i> spp. <i>S. aeruginosa</i> <i>Acinetobacter</i> spp. <i>S. maltophilia</i> All staphylococci <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group	21 22 17 17 19 17 17 17 17 17 17	17-20	16 14 13 13 15 - 13 13 13 13 13		<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>S. pneumoniae</i> ATCC 49619	29-37 25-30 19-26 32-40 20-25	Enterobacteriales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci <i>Enterococcus</i> spp. (uncomplicate UTI only) Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>P. multocida</i> <i>K. kingae</i> <i>Aeromonas</i> spp.	23 22 23 22 24 15 17 16 30 29 27 28 27	19 22 20 22 24 15 17 16 30 29 27 28 24	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	29-37 19-26 23-29 19-25 21-27 31-39
Linezolid	LNZ	10	Not available					Not available		<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>Corynebacterium</i> spp.	21 19 19 22 25	21 19 16 19 25	<i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619	21-27 19-25 23-29
Linezolid	LNZ	30	All staphylococci <i>Enterococcus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group	21 23 21 21 21	-	20 20 - - -		<i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	25-32 25-34	Not available			Not available	
Lomefloxacin	LOM	10	Enterobacteriaceae <i>P. aeruginosa</i> All staphylococci <i>Haemophilus</i> spp.	22 22 22 22	19-21	18 18 18 -		<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	27-33 23-29 22-28 33-41 45-54	Not available			Not available	

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD diameter (mm)	I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)
Loracarbef	LOR	30	Enterobacteriaceae <i>Haemophilus</i> spp.	18 19	15-17 16-18	14 15		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49766 <i>S. pneumoniae</i> ATCC 49619	23-29 23-31 26-32 22-28	Not available			Not available	
Mecillinam	MEC	10	Enterobacteriaceae	15	12-14	11		<i>E. coli</i> ATCC 25922	24-30	Enterobacteriales (uncomplicated UTI only)	15	15	<i>E. coli</i> ATCC 25922	24-30
Meropenem	MRP	10	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>Haemophilus</i> spp. <i>N. meningitidis</i>	23 19 18 20 20 30	20-22 16-18 15-17 16-19 -	19 15 14 15 -		<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>S. pneumoniae</i> ATCC 49619	28-35 29-37 27-33 20-28 28-35	Enterobacteriales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> <i>L. monocytogenes</i> <i>A. sanguinicola</i> and <i>urinae</i> <i>K. kingae</i>	22 24 21 25 -	16 18 15 25 20 33 26 31 30	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	28-35 27-33 30-38 27-35
Minocycline	MN	30	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>S. maltophilia</i> All staphylococci <i>Enterococcus</i> spp. <i>N. meningitidis</i>	16 16 19 19 19 19 26	13-15 13-15 15-18 15-18 15-18 15-18 -	12 12 14 14 14 14 -		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	19-25 25-30	<i>Staphylococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	23 23 24 24 25	20 20 21 21 22	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	23-29 25-31 26-32
Moxifloxacin	MOX	5	All staphylococci <i>Haemophilus</i> spp. <i>S. pneumoniae</i>	24 18 18	21-23 -	20 -		<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>S. pneumoniae</i> ATCC 49619	28-35 28-35 17-25 31-39 25-31	Enterobacteriales <i>S. aureus</i> Coagulase-negative staphylococci Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>Corynebacterium</i> spp.	22 25 28 19 22 28 26 25	22 25 28 19 22 28 26 25	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	28-35 25-31 24-30 30-36
Mupirocin	MUP	200	<i>S. aureus</i> (Screening Test for HLMR)	7		6		<i>S. aureus</i> ATCC 25923 <i>S. aureus</i> ATCC BAA-1708	29-38 6	<i>S. aureus</i> (for nasal decontamination)	30	18	<i>S. aureus</i> ATCC 29213	31-37
Nafcillin	NAF	1	Not available					<i>S. aureus</i> ATCC 25923	16-22	Not available			Not available	
Nalidixic acid	NA	30	Enterobacteriaceae	19	14-18	13		<i>E. coli</i> ATCC 25922	22-28	<i>H. influenzae</i> <i>M. catarrhalis</i> <i>P. multocida</i>	23 23 23	* * *	<i>E. coli</i> ATCC 25922 <i>H. influenzae</i> ATCC 49766	22-28 26-32
Neomycin	N	30	Not available					CLSI VET08 ⁴ <i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	17-23 18-26	Not available			Not available	
Netilmicin	NET	10	Not available					Not available		Enterobacteriales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative Staphylococci	15 12 16 18 22	12 12 16 18 22	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>S. aureus</i> ATCC 29213	18-24 15-21 20-26

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD diameter (mm)	I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)
Netilmicin	NET	30	Enterobacteriaceae <i>P. aeruginosa</i>	15 15	13-14 13-14	12 12		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	22-30 22-31 17-23	Not available			Not available	
Nitrofurantoin	F	100	Not available					Not available		<i>E. coli</i> <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. Streptococcus groups A,B,C and G <i>A. sanguinicola</i> and <i>urinae</i>	11 13 15 15 16	11 13 15 15 16	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619	17-23 17-23 18-24 25-31
Nitrofurantoin	F	300	Enterobacteriaceae All staphylococci <i>Enterococcus</i> spp.	17 17 17	15-16 15-16 15-16	14 14 14		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	20-25 18-22 23-29	Not available			Not available	
Nitroxoline	NI	30	Not available					Not available		<i>E. coli</i>	15	15	<i>E. coli</i> ATCC 25922	18-24
Norfloxacin	NOR	10	Not available					Not available		Enterobacterales <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>A. sanguinicola</i> and <i>urinae</i>	22 17 12 11 10 17	19 * 12 * * 17	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212 <i>S. pneumoniae</i> ATCC 49619	28-35 18-24 16-22 18-24
Ofloxacin	OFX	5	Enterobacteriaceae <i>P. aeruginosa</i> All staphylococci <i>Haemophilus</i> spp. <i>S. pneumoniae</i> Streptococcus spp. β-Hemolytic group Streptococcus spp. Viridans group	16 16 18 16 16 16	13-15 13-15 15-17 - 13-15 13-15	12 12 14 - 12 12		<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	29-33 24-28 17-21 31-40 43-51 16-21	Enterobacterales <i>S. aureus</i> Coagulase-negative staphylococci <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	24 20 24 50 30 28	22 20 24 13 30 28	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	29-33 21-27 18-24 31-37
Oxacillin	OX	1	<i>S. epidermidis</i> <i>S. pseudintermedius</i> and <i>S. schleiferi</i> <i>S. pneumoniae</i>	18 18 20	- - -	17 17 -		<i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	18-24 ≤12	<i>S. pneumoniae</i>	20	*	<i>S. pneumoniae</i> ATCC 49619 <i>S. aureus</i> ATCC 29213	8-14 19-25
Pefloxacin	PEF	5	<i>Salmonella</i> spp.	24	-	23		<i>E. coli</i> ATCC 25922	25-33	<i>Salmonella</i> spp.	24	24	<i>E. coli</i> ATCC 25922	26-32
Penicillin G	P	1 unit	Not available					Not available		<i>S. aureus</i> Streptococcus groups A,B,C and G Viridans group streptococci Viridans group streptococci (screen) <i>H. influenzae</i> <i>L. monocytogenes</i> <i>P. multocida</i> <i>Corynebacterium</i> spp. <i>A. sanguinicola</i> and <i>urinae</i> <i>K. kingae</i>	26 18 18 18 12 13 17 29 21 25	26 18 * 18 * 13 17 29 21 25	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766 <i>H. influenzae</i> ATCC 49247	12-18 16-22 15-21 6-9

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹	S ≥	SDD diameter (mm)	I	R ≤	CLSI QUALITY CONTROL ¹	diameter (mm)	EUCAST INTERPRETATIVE CRITERIA ²	S ≥	R <	EUCAST QUALITY CONTROL ³	diameter (mm)
Penicillin G	P	10 units	All staphylococci <i>Enterococcus</i> spp. <i>N. gonorrhoeae</i> <i>Streptococcus</i> spp. β-Hemolytic group	29 15 47 24	-	-	28 14 26 -	<i>S. aureus</i> ATCC 25923 <i>N. gonorrhoeae</i> ATCC 49226 <i>S. pneumoniae</i> ATCC 49619	26-37 26-34 24-30	Not available			Not available	
Piperacillin	PRL	30	Not available					Not available		Enterobacteriales <i>Pseudomonas</i> spp.	20 18	17 18	<i>E. coli</i> ATCC 25922 <i>E. coli</i> ATCC 35218	21-27 9-15
Piperacillin	PRL	100	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp.	21 21 21	18-20	17	14 14 17	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218	24-30 25-33 12-18	Not available			Not available	
Piperacillin-tazobactam	TZP	36 (30/6)	Not available					Not available		Enterobacteriales <i>Pseudomonas</i> spp. <i>H. influenzae</i>	20 18 27	17 18 27	<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218 <i>K. pneumoniae</i> ATCC 700603	21-27 23-29 21-27 14-20
Piperacillin-tazobactam	TZP	110 (100/10)	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>Haemophilus</i> spp.	21 21 21 21	18-20	17	14 14 17 -	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853 <i>E. coli</i> ATCC 35218 <i>H. influenzae</i> ATCC 49247	24-30 27-36 25-33 24-30 33-38	Not available			Not available	
Polymyxin B	PB	300 units	Not available					<i>E. coli</i> ATCC 25922 <i>P. aeruginosa</i> ATCC 27853	13-19 14-18	Not available			Not available	
Quinupristin-dalfopristin	QDA	15	All staphylococci <i>Enterococcus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group	19 19 19 19 19	16-18	15	15 15 15 15 15	<i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	21-28 15-21 19-24	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	21 22	18 20	<i>S. aureus</i> ATCC 29213 <i>E. faecalis</i> ATCC 29212	21-27 11-17
Rifampicin	RD	5	All staphylococci <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> <i>N. meningitidis</i>	20 20 20 19 25	17-19	16	16 16 16 16 19	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>S. pneumoniae</i> ATCC 49619	8-10 26-34 22-30 25-30	<i>Staphylococcus</i> spp. Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>Corynebacterium</i> spp. <i>A. sanguinicola</i> and <i>urinae</i> <i>K. kingae</i>	26 21 22 18 30 25 20	23 15 17 18 25 25 20	<i>S. aureus</i> ATCC 29213 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	30-36 26-32 21-27
Solithromycin	SOL	15	Not available					<i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49247 <i>N. gonorrhoeae</i> ATCC 49226 <i>S. pneumoniae</i> ATCC 49619	22-30 16-23 33-43 25-33	Not available			Not available	
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	Enterobacteriaceae	15	12-14	11		<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	12-20 14-22	Not available			Not available	
Streptomycin	S	300	<i>Enterococcus</i> spp. (Screening Test for HLAR)	10		6		<i>E. faecalis</i> ATCC 29212 <i>E. faecalis</i> ATCC 51299	14-20 6	<i>Enterococcus</i> spp. (Test for HLAR)	19	19	<i>E. faecalis</i> ATCC 29212 <i>E. faecalis</i> ATCC 51299	14-20 6
Sulfonamide	S3	300	Enterobacteriaceae All staphylococci	17 17	13-16	12	12	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923	15-23 24-34	Not available			Not available	
Tedizolid	TZD	20	Not available					<i>S. aureus</i> ATCC 25923	22-29	Not available			Not available	

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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
Tetracycline	TE	30	Enterobacteriaceae <i>Acinetobacter</i> spp. All staphylococci <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i> <i>S. pneumoniae</i> Streptococcus 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	<i>Staphylococcus</i> 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> Corynebacterium spp. <i>K. kingae</i>	22 23 25 25 28 24 30 30 24 28	19 20 22 25 25 24 30 30 24 28	<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
Tiamulin	T	30	CLSI VET08 ⁴ <i>A. pleuropneumoniae</i> - Swine	9	-	8		CLSI VET08 ⁴ <i>S. aureus</i> ATCC 25923	25-32	Not available			Not available	
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	Enterobacteriales <i>Pseudomonas</i> spp.	23 18	20 18	<i>E. coli</i> ATCC 25922	24-30
Ticarcillin-clavulanic acid	TTC	85 (75/10)	Enterobacteriaceae <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	Enterobacteriales <i>Pseudomonas</i> spp.	23 18	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> <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. Streptococcus groups A,B,C and G	18 18 18 19	18 18 18 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	Enterobacteriaceae <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	Enterobacteriales <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci	17 16 17 18 22	14 16 17 18 22	<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	Enterobacteriaceae 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	Enterobacteriales <i>Staphylococcus</i> spp.	18 17	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

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Trimethoprim-sulfamethoxazole	SXT	25 (1.25/23.75)	Enterobacteriaceae	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>	16	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 A,B,C and G	18	15	<i>H. influenzae</i>	ATCC 49766	27-35
			<i>Haemophilus</i> spp.	16	11-15	10				<i>S. pneumoniae</i>	13	10			
			<i>S. pneumoniae</i>	19	16-18	15				<i>H. influenzae</i>	23	20			
			<i>N. meningitidis</i>	30	26-29	25				<i>M. catarrhalis</i>	18	15			
										<i>L. monocytogenes</i>	29	29			
										<i>P. multocida</i>	23	23			
							<i>K. kingae</i>	28	28						
							<i>Aeromonas</i> spp.	19	16						
Tylosin	TY	30	Not available				CLSI VET08 ⁴			Not available			Not available		
							<i>S. aureus</i>	ATCC 25923	18-26						
Ulifloxacin (prulifloxacin)	ULI	5	Not available				<i>E. coli</i>	ATCC 25922	32-38	Not available			Not available		
							<i>S. aureus</i>	ATCC 25923	20-26						
							<i>P. aeruginosa</i>	ATCC 27853	27-33						
Vancomycin	VA	5	Not available				Not available			<i>Enterococcus</i> spp.	12	12	<i>E. faecalis</i>	ATCC 29212	10-16
										Streptococcus groups A,B,C and G	13	13	<i>S. pneumoniae</i>	ATCC 49619	17-23
										<i>S. pneumoniae</i>	16	16	<i>E. faecalis</i>	ATCC 51299	6-12
										Viridans group streptococci	15	15			
										<i>Corynebacterium</i> spp.	17	17			
										<i>A. sanguinicola</i> and <i>urinae</i>	16	16			
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.	17	-	-									
			Viridans Group												

* Refer to EUCAST breakpoint tables.

References

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