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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 <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>Staphylococcus</i> spp.	17 17 17 17	15-16 15-16 15-16 15-16	14 14 14 14	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i>	ATCC 25922 ATCC 25923 ATCC 27853	19-26 20-26 18-26	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci	18 18 19 18 22	15 15 17 16 19	<i>E. coli</i> <i>P. aeruginosa</i> <i>S. aureus</i>	ATCC 25922 ATCC 27853 ATCC 29213	19-26 18-26 18-24
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> <i>M. catarrhalis</i> <i>P. multocida</i>	15 19 15	15 19 15	<i>H. influenzae</i> <i>S. aureus</i>	ATCC 49766 ATCC 29213	17-23 19-25	
Amoxicillin-clavulanic acid	AUG	30 (20/10)	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp.	18 20 20	14-17 - -	13 19 19	<i>E. coli</i> <i>S. aureus</i> <i>E. coli</i> <i>H. influenzae</i>	ATCC 25922 ATCC 25923 ATCC 35218 ATCC 49247	18-24 28-36 17-22 15-23	Enterobacteriaceae Enterobacteriaceae (uncomplicated UTI only)	19 16	19 16	<i>E. coli</i> <i>E. coli</i>	ATCC 29212 ATCC 35218	18-24 17-22
Ampicillin	AMP	2	Not available				Not available		<i>S. saprophyticus</i> <i>Enterococcus</i> spp. <i>S. pneumoniae</i> Viridans group streptococci <i>H. influenzae</i> <i>L. monocytogenes</i> <i>P. multocida</i> <i>A. sanguinicola</i> and <i>urinae</i>	18 10 23 21 16 16 17 26	18 8 20 15 16 16 17 26	<i>S. aureus</i> <i>E. faecalis</i> <i>S. pneumoniae</i> <i>H. influenzae</i> <i>H. influenzae</i>	ATCC 29213 ATCC 29212 ATCC 49619 ATCC 49766 ATCC 49247	15-21 15-21 25-31 19-25 6-12	
Ampicillin	AMP	10	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>Streptococcus</i> spp. β-Hemolytic group	17 29 17 22 24	14-16 - - 19-21 -	13 28 16 18 -	<i>E. coli</i> <i>S. aureus</i> <i>E. coli</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 35218 ATCC 49247 ATCC 49619	15-22 27-35 6 13-21 30-36	Enterobacteriaceae	14	14	<i>E. coli</i> <i>E. coli</i>	ATCC 25922 ATCC 35218	15-22 6
Ampicillin-sulbactam	AMS	20 (10/10)	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp.	15 15 15 20	12-14 12-14 12-14 -	11 11 11 19	<i>E. coli</i> <i>S. aureus</i> <i>E. coli</i> <i>H. influenzae</i>	ATCC 25922 ATCC 25923 ATCC 35218 ATCC 49247	19-24 29-37 13-19 14-22	Enterobacteriaceae	14	14	<i>E. coli</i> <i>E. coli</i>	ATCC 25922 ATCC 35218	19-24 13-19
Azithromycin	AZM	15	<i>S. Typhi</i> <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic group <i>Streptococcus</i> spp. Viridans group <i>N. meningitidis</i>	13 18 12 18 18 18 20	- 14-17 - 14-17 14-17 14-17 -	12 13 - 13 13 13 -	<i>S. aureus</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25923 ATCC 49247 ATCC 49619	21-26 13-21 19-25	Not available		Not available			

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			S ≥	SDD diameter (mm)	I	R ≤	diameter (mm)	S ≥	R <	diameter (mm)	S ≥	R <	diameter (mm)			
Azlocillin	AZL	75	Not available				<i>P. aeruginosa</i>	ATCC 27853	24-30	Not available				Not available		
Aztreonam	ATM	30	Enterobacteriaceae	21	18-20	17	<i>E. coli</i>	ATCC 25922	28-36	Enterobacteriaceae	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.	50	16	<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	9-17	
								<i>K. pneumoniae</i>	ATCC 700603	10-16						
						<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>Staphylococcus</i> spp.	18	15-17	14	<i>S. aureus</i>	ATCC 25923	27-31							
			<i>Haemophilus</i> spp.	20	17-19	16	<i>H. influenzae</i>	ATCC 49766	25-31							
								<i>S. pneumoniae</i>	ATCC 49619	24-32						
Cefadroxil	CDX	30	Not available				Not available			Enterobacteriaceae	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>Staphylococcus</i> spp.	18	15-17	14	<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	Enterobacteriaceae	27	21	<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.	19	19	<i>P. aeruginosa</i>	ATCC 27853	24-30	
			<i>Acinetobacter</i> spp.	18	15-17	14	<i>P. aeruginosa</i>	ATCC 27853	24-31	Viridans group streptococci	25	25	<i>S. pneumoniae</i>	ATCC 49619	31-37	
			<i>Staphylococcus</i> spp.	18	15-17	14	<i>H. influenzae</i>	ATCC 49247	25-31				<i>H. influenzae</i>	ATCC 49766	30-36	
			<i>Haemophilus</i> spp.	26	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	37-46	<i>H. influenzae</i>	28	28				
			<i>N. gonorrhoeae</i>	31	-	-	<i>S. pneumoniae</i>	ATCC 49619	28-35	<i>M. catarrhalis</i>	20	20				
			<i>Streptococcus</i> spp.	24	-	-										
			β -Hemolytic group													
			<i>Streptococcus</i> spp.	24	22-23	21										
			Viridans group													
Cefixime	CFM	5	Enterobacteriaceae	19	16-18	15	<i>E. coli</i>	ATCC 25922	23-27	Enterobacteriaceae	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>Staphylococcus</i> spp.	21	16-20	15	<i>S. aureus</i>	ATCC 25923	24-33							
							<i>P. aeruginosa</i>	ATCC 27853	23-29							
Cefotaxime	CTX	5	Not available				Not available			Enterobacteriaceae	20	17	<i>E. coli</i>	ATCC 25922	25-31	
										Viridans group streptococci	23	23	<i>S. pneumoniae</i>	ATCC 49619	28-34	
										<i>H. influenzae</i>	27	27	<i>H. influenzae</i>	ATCC 49766	29-37	
										<i>M. catarrhalis</i>	20	17	<i>K. pneumoniae</i>	ATCC 700603	12-18	
										<i>P. multocida</i>	26	26				
										<i>K. kingae</i>	27	27				

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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>Staphylococcus</i> spp.	23	15-22	14	<i>P. aeruginosa</i>	ATCC 27853	18-22						
			<i>Haemophilus</i> spp.	26	-	-	<i>K. pneumoniae</i>	ATCC 700603	17-25						
			<i>N. gonorrhoeae</i>	31	-	-	<i>H. influenzae</i>	ATCC 49247	31-39						
			<i>Streptococcus</i> spp.	24	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	38-48						
			β-Hemolytic group <i>Streptococcus</i> spp.	28	26-27	25	<i>S. pneumoniae</i>	ATCC 49619	31-39						
			Viridans group <i>N. meningitidis</i>	34	-	-									
Cefotetan	CTT	30	Enterobacteriaceae	16	13-15	12	<i>E. coli</i>	ATCC 25922	28-34	Not available			Not available		
			<i>Staphylococcus</i> spp.	16	13-15	12	<i>S. aureus</i>	ATCC 25923	17-23						
			<i>N. gonorrhoeae</i>	26	20-25	19	<i>N. gonorrhoeae</i>	ATCC 49226	30-36						
Cefoxitin	FOX	30	Enterobacteriaceae	18	15-17	14	<i>E. coli</i>	ATCC 25922	23-29	Enterobacteriaceae <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
			<i>S. aureus</i> and <i>S. lugdunensis</i>	22	-	21	<i>S. aureus</i>	ATCC 25923	23-29						
			Coagulase-negative staphylococci except <i>S. lugdunensis</i>	25	-	24	<i>N. gonorrhoeae</i>	ATCC 49226	33-41						
			<i>N. gonorrhoeae</i>	28	24-27	23									
Cefpodoxime	PX	10	Enterobacteriaceae	21	18-20	17	<i>E. coli</i>	ATCC 25922	23-28	Enterobacteriaceae <i>H. influenzae</i>	21 26	21 23	<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
			<i>Staphylococcus</i> spp.	21	18-20	17	<i>S. aureus</i>	ATCC 25923	19-25						
			<i>Haemophilus</i> spp.	21	-	-	<i>K. pneumoniae</i>	ATCC 700603	9-16						
			<i>N. gonorrhoeae</i>	29	-	-	<i>H. influenzae</i>	ATCC 49247	25-31						
							<i>N. gonorrhoeae</i>	ATCC 49226	35-43						
				<i>S. pneumoniae</i>	ATCC 49619	28-34									
Cefprozil	CPR	30	Enterobacteriaceae	18	15-17	14	<i>E. coli</i>	ATCC 25922	21-27	Not available			Not available		
			<i>Staphylococcus</i> spp.	18	15-17	14	<i>S. aureus</i>	ATCC 25923	27-33						
			<i>Haemophilus</i> spp.	18	15-17	14	<i>H. influenzae</i>	ATCC 49766	20-27						
				<i>S. pneumoniae</i>	ATCC 49619	25-32									
Ceftaroline	CPT	5	Not available				Not available		Enterobacteriaceae <i>S. aureus</i>	23 20	23 20	<i>E. coli</i> <i>S. aureus</i>	ATCC 25922 ATCC 29213	24-30 24-30	
Ceftaroline	CPT	30	Enterobacteriaceae	23	20-22	19	<i>E. coli</i>	ATCC 25922	26-34	Not available			Not available		
			<i>Staphylococcus</i> spp.	24	21-23	20	<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.	26	-	-									
			β-Hemolytic group												
Ceftazidime	CAZ	10	Not available				Not available		Enterobacteriaceae <i>Pseudomonas</i> spp.	22 16	19 16	<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	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>Staphylococcus</i> spp.	18	15-17	14	<i>H. influenzae</i>	ATCC 49247	27-35						
			<i>Haemophilus</i> spp.	26	-	-	<i>N. gonorrhoeae</i>	ATCC 49226	35-43						
			<i>N. gonorrhoeae</i>	31	-	-									
Ceftazidime-avibactam	CZA	14(10/4)	Not available				Not available		Enterobacteriaceae <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)	Not available					<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	Enterobacteriaceae <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	Refer to CLSI VET015					<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>P. aeruginosa</i> ATCC 27853	26-31 ⁴ 27-31 ⁴ 14-18 ⁴	Not available			Not available	
Ceftizoxime	CZX	30	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	25 20 26 38		22-24 15-19 - -	21 14 - -	<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		Enterobacteriaceae <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)	<i>P. aeruginosa</i>	21		17-20	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 10-28 25-31 25-31 17-25 23-29 21-29	Enterobacteriaceae	23	23	<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>Staphylococcus</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 21 26 35 24 27 34		20-22 14-20 14-20 - - - 25-26 -	19 13 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	Enterobacteriaceae Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> <i>K. kingae</i>	25 27 - 31 24 30	22 27 - 31 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
Cefuroxime	CXM	30	Enterobacteriaceae (Parenteral) Enterobacteriaceae (Oral) <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	18 23 20 31		15-17 15-22 17-19 26-30	14 14 16 25	<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>H. influenzae</i> ATCC 49766 <i>N. gonorrhoeae</i> ATCC 49226	20-26 27-35 28-36 33-41	Enterobacteriaceae Viridans group streptococci <i>H. influenzae</i> (iv) <i>H. influenzae</i> (oral) <i>M. catarrhalis</i> (iv) <i>M. catarrhalis</i> (oral) <i>K. kingae</i>	19 26 - 26 50 21 50 29	19 26 - 25 26 18 21 29	<i>E. coli</i> ATCC 25922 <i>S. pneumoniae</i> ATCC 49619 <i>H. influenzae</i> ATCC 49766	20-26 28-34 26-34
Cephalexin	CL	30	Not available					Not available		Enterobacteriaceae	14	14	<i>E. coli</i> ATCC 25922	15-21
Cephalothin	KF	30	Not available					<i>E. coli</i> ATCC 25922 <i>S. aureus</i> ATCC 25923 <i>S. pneumoniae</i> ATCC 49619	15-21 29-37 26-32	Not available			Not available	

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Chloramphenicol	C	30	<i>Enterobacteriaceae</i>	18	13-17	12	<i>E. coli</i>	ATCC 25922	21-27	<i>Enterobacteriaceae</i>	17	17	<i>E. coli</i>	ATCC 25922	21-27
			<i>Staphylococcus</i> spp.	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.	21	18-20	17				<i>H. influenzae</i>	28	28			
			β-Hemolytic group							<i>M. catarrhalis</i>	30	30			
			<i>Streptococcus</i> spp.	21	18-20	17									
			Viridans group												
			<i>N. meningitidis</i>	26	20-25	19									
Cinoxacin	CIN	100	<i>Enterobacteriaceae</i>	19	15-18	14	<i>E. coli</i>	ATCC 25922	26-32	Not available			Not available		
Ciprofloxacin	CIP	5	<i>Enterobacteriaceae</i>	21	16-20	15	<i>E. coli</i>	ATCC 25922	30-40	<i>Enterobacteriaceae</i>	26	24	<i>E. coli</i>	ATCC 25922	29-37
			except <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>Salmonella</i> spp.	21	16-20	15	<i>P. aeruginosa</i>	ATCC 27853	25-33	<i>Acinetobacter</i> spp.	21	21	<i>S. aureus</i>	ATCC 29213	21-27
			<i>P. aeruginosa</i>	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
			<i>Acinetobacter</i> spp.	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>Staphylococcus</i> spp.	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	-	-				<i>S. pneumoniae</i>	50	16	<i>C. jejuni</i>	ATCC 33560	34-42
			<i>Haemophilus</i> spp.	41	28-40	27				<i>H. influenzae</i>	30	30			
			<i>N. gonorrhoeae</i>	35	33-34	32				<i>M. catarrhalis</i>	26	26			
			<i>N. Meningitidis</i>							<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						
Clarithromycin	CLR	15	<i>Staphylococcus</i> spp.	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.	21	17-20	16									
			β-Hemolytic group												
<i>Streptococcus</i> spp.	21	17-20	16												
<i>Viridans</i> group															
Clindamycin	CD	2	<i>Staphylococcus</i> spp.	21	15-20	14	<i>S. aureus</i>	ATCC 25923	24-30	<i>Staphylococcus</i> spp.	22	19	<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	17	17	<i>S. pneumoniae</i>	ATCC 49619	22-28
			<i>Streptococcus</i> spp.	19	16-18	15				A,B,C and G					
			β-Hemolytic Group							<i>S. pneumoniae</i>	19	19			
			<i>Streptococcus</i> spp.	19	16-18	15				Viridans group	19	19			
<i>Viridans</i> Group							streptococci								
							<i>Corynebacterium</i> spp.	20	20						
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	<i>Enterobacteriaceae</i>	23	20-22	19	<i>E. coli</i>	ATCC 25922	27-35	<i>Enterobacteriaceae</i>	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.	25	22	<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.	23	20	<i>S. pneumoniae</i>	ATCC 49619	31-37
			<i>Staphylococcus</i> spp.	30	-	-	<i>H. influenzae</i>	ATCC 49247	21-31	Viridans group	25	25	<i>H. influenzae</i>	ATCC 49766	26-32
			<i>Haemophilus</i> spp.	16	-	1	<i>S. pneumoniae</i>	ATCC 49619	30-38	streptococci					
										<i>H. influenzae</i>	20	20			
							<i>M. catarrhalis</i>	30	30						

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹			CLSI QUALITY CONTROL ¹			EUCAST INTERPRETATIVE CRITERIA ²			EUCAST QUALITY CONTROL ³					
			S ≥	SDD diameter (mm)	I R ≤	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)						
Doxycycline	DXT	30	Enterobacteriaceae Acinetobacter spp. Staphylococcus spp. Enterococcus spp. S. pneumoniae	14 13 16 16 28	11-13 10-12 13-15 13-15 25-27	10 9 12 12 24	E. coli S. aureus S. pneumoniae	ATCC 25922 ATCC 25923 ATCC 49619	18-24 23-29 25-34	Not available			Not available				
Enrofloxacin	ENR	5	Refer to CLSI VET01S			E. coli S. aureus P. aeruginosa			ATCC 25922 ATCC 25923 ATCC 27853	32-40 ⁴ 27-31 ⁴ 15-19 ⁴	Not available			Not available			
Ertapenem	ETP	10	Enterobacteriaceae Staphylococcus spp. Haemophilus spp.	22 19 19	19-21 16-18 -	18 15 -	E. coli S. aureus P. aeruginosa H. influenzae H. influenzae S. pneumoniae	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49766 ATCC 49619	29-36 24-31 13-21 20-28 27-33 28-35	Enterobacteriaceae Viridans group streptococci H. influenzae M. catarrhalis	25 22 20 29	22 22 20 29	E. coli S. pneumoniae H. influenzae	ATCC 25922 ATCC 49619 ATCC 49766	29-36 28-34 27-33		
Erythromycin	E	15	Staphylococcus spp. Enterococcus spp. S. pneumoniae Streptococcus spp. β-Hemolytic group Streptococcus spp. Viridans group	23 23 21 21 21	14-22 14-22 16-20 16-20 16-20	13 13 15 15 15	S. aureus S. pneumoniae	ATCC 25923 ATCC 49619	22-30 25-30	Staphylococcus spp. Streptococcus groups A,B,C and G S. pneumoniae H. influenzae M. catarrhalis L. monocytogenes C. jejuni C. coli K. kingae	21 21 22 50 23 25 20 24 20	18 18 19 10 20 25 20 24 20	S. aureus S. pneumoniae H. influenzae C. jejuni	ATCC 29213 ATCC 49619 ATCC 49766 ATCC 33560	23-29 26-32 10-16 27-35		
Florfenicol	FFC	30	Refer to CLSI VET01S			E. coli S. aureus S. pneumoniae			ATCC 25922 ATCC 25923 ATCC 49619	22-28 ⁴ 22-29 ⁴ 24-31 ⁴	Not available			Not available			
Fosfomycin (includes G-6-P)	FOS	200	Enterobacteriaceae Enterococcus spp.	16 16	13-15 13-15	12 12	E. coli S. aureus	ATCC 25922 ATCC 25923	22-30 25-33	E. coli	24	24	E. coli	ATCC 25922	26-34		
Fusidic acid	FC	10	Not available			S. aureus S. pneumoniae			ATCC 25923 ATCC 49619	24-32 9-16	Staphylococcus spp.	24	24	S. aureus	ATCC 29213	26-32	
Gatifloxacin	GAT	5	Enterobacteriaceae P. aeruginosa Acinetobacter spp. Staphylococcus spp. Enterococcus spp. Haemophilus spp. N. gonorrhoeae S. pneumoniae Streptococcus spp. β-Hemolytic group Streptococcus spp. Viridans group	18 18 18 23 18 18 38 21 21 21	15-17 15-17 15-17 20-22 15-17 -	14 14 14 19 14 -	E. coli S. aureus P. aeruginosa H. influenzae N. gonorrhoeae S. pneumoniae S. pneumoniae Streptococcus spp. Streptococcus spp. Viridans group	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49226 ATCC 49619	30-37 27-33 20-28 33-41 45-56 24-31	Not available			Not available				
Gentamicin	CN	10	Enterobacteriaceae P. aeruginosa Acinetobacter spp. Staphylococcus spp.	15 15 15 15	13-14 13-14 13-14 13-14	12 12 12 12	E. coli S. aureus P. aeruginosa	ATCC 25922 ATCC 25923 ATCC 27853	19-26 19-27 16-21	Enterobacteriaceae Pseudomonas spp. Acinetobacter spp. S. aureus Coagulase-negative staphylococci Corynebacterium spp.	17 15 17 18 22 23	14 15 17 18 22 23	E. coli P. aeruginosa S. aureus	ATCC 25922 ATCC 27853 ATCC 29213	19-26 16-21 19-25		
Gentamicin	CN	30	Not available			Not available			Not available			Enterococcus spp. (Test for HLAR)	8	8	E. faecalis E. faecalis	ATCC 29212 ATCC 51299	12-18 6

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹			CLSI QUALITY CONTROL ¹			EUCAST INTERPRETATIVE CRITERIA ²			EUCAST QUALITY CONTROL ³					
			S ≥	SDD diameter (mm)	I R ≤	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)						
Gentamicin	CN	120	<i>Enterococcus</i> spp. (Screening Test for HLAR)	10		6	<i>E. faecalis</i> <i>E. faecalis</i>	ATCC 29212 ATCC 51299	16-23 6	Not available			Not available				
Imipenem	IMI	10	<i>Enterobacteriaceae</i> <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp.	23 19 22 16 16		20-22 16-18 19-21 14-15 -	19 15 18 13 -	<i>E. coli</i> <i>P. aeruginosa</i> <i>H. influenzae</i>	ATCC 25922 ATCC 27853 ATCC 49247	26-32 20-28 21-29	<i>Enterobacteriaceae</i> <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>Enterococcus</i> spp. Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i>	22 20 17 23 21 30 20 29	16 17 17 18 30 20 29	<i>E. coli</i> <i>P. aeruginosa</i> <i>E. faecalis</i> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 25922 ATCC 27853 ATCC 29212 ATCC 49619 ATCC 49766	26-32 20-28 24-30 34-42 24-30	
Kanamycin	K	30	<i>Enterobacteriaceae</i> <i>Staphylococcus</i> spp.	18 18		14-17 14-17	13 13	<i>E. coli</i> <i>S. aureus</i>	ATCC 25922 ATCC 25923	17-25 19-26	Not available			Not available			
Levofloxacin	LEV	5	<i>Enterobacteriaceae</i> <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>S. maltophilia</i> <i>Staphylococcus</i> spp. <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	17 17 17 17 19 17 17 17 17 17		14-16 14-16 14-16 14-16 16-18 14-16 - 14-16 14-16 14-16 14-16	13 13 13 13 15 13 - 13 13 13	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49619	29-37 25-30 19-26 32-40 20-25	<i>Enterobacteriaceae</i> <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>	23 22 23 22 24 15 17 16 30 26 27 28	19 22 20 22 24 15 17 16 30 26 27 28	<i>E. coli</i> <i>P. aeruginosa</i> <i>S. aureus</i> <i>E. faecalis</i> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 25922 ATCC 27853 ATCC 29213 ATCC 29212 ATCC 49619 ATCC 49766	29-37 19-26 23-29 19-25 21-27 31-39	
Linezolid	LNZ	10	Not available			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> <i>E. faecalis</i> <i>S. pneumoniae</i>	ATCC 29213 ATCC 29212 ATCC 49619	21-27 19-25 23-29
Linezolid	LNZ	30	<i>Staphylococcus</i> spp. <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		- 21-22 - - -	20 20 - - -	<i>S. aureus</i> <i>S. pneumoniae</i>	ATCC 25923 ATCC 49619	25-32 25-34	Not available			Not available			
Lomefloxacin	LOM	10	<i>Enterobacteriaceae</i> <i>P. aeruginosa</i> <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	22 22 22 22 38		19-21 19-21 19-21 - 27-37	18 18 18 - 26	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>N. gonorrhoeae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49226	27-33 23-29 22-28 33-41 45-54	Not available			Not available			
Loracarbef	LOR	30	<i>Enterobacteriaceae</i> <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp.	18 18 19		15-17 15-17 16-18	14 14 15	<i>E. coli</i> <i>S. aureus</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 49766 ATCC 49619	23-29 23-31 26-32 22-28	Not available			Not available			

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Mecillinam	MEC	10	Enterobacteriaceae	15	12-14	11		<i>E. coli</i>	ATCC 25922	24-30	Enterobacteriaceae (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>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>N. meningitidis</i>	23 19 18 20 16 20 30	20-22 16-18 15-17 16-19 14-15 -	19 15 14 15 13 -		<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49619	28-35 29-37 27-33 20-28 28-35	Enterobacteriaceae <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 20 33 26 31 30	16 18 15 25 20 33 26 31 30	<i>E. coli</i> <i>P. aeruginosa</i> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 25922 ATCC 27853 ATCC 49619 ATCC 49766	28-35 27-33 30-38 27-35
Methicillin	MET	5	Not available					<i>S. aureus</i>	ATCC 25923	17-22	Not available		Not available			
Mezlocillin	MEZ	75	Not available					<i>E. coli</i> <i>P. aeruginosa</i>	ATCC 25922 ATCC 27853	23-29 19-25	Not available		Not available			
Minocycline	MN	30	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>S. maltophilia</i> <i>Staphylococcus</i> spp. <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> <i>S. aureus</i>	ATCC 25922 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> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 29213 ATCC 49619 ATCC 49766	23-29 25-31 26-32
Moxifloxacin	MOX	5	<i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i>	24 18 18	21-23 -	20 -		<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49619	28-35 28-35 17-25 31-39 25-31	Enterobacteriaceae <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 23 25	22 25 28 19 22 28 23 25	<i>E. coli</i> <i>S. aureus</i> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 25922 ATCC 29213 ATCC 49619 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> <i>S. aureus</i>	ATCC 25923 ATCC BAA-1708	29-38 6	<i>Staphylococcus</i> spp.	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> <i>H. influenzae</i>	ATCC 25922 ATCC 49766	22-28 27-33
Netilmicin	NET	10	Not available					Not available			Enterobacteriaceae <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> <i>P. aeruginosa</i> <i>S. aureus</i>	ATCC 25922 ATCC 27853 ATCC 29213	18-24 15-21 20-26
Netilmicin	NET	30	Enterobacteriaceae <i>P. aeruginosa</i> <i>Staphylococcus</i> spp.	15 15 15	13-14 13-14 13-14	12 12 12		<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i>	ATCC 25922 ATCC 25923 ATCC 27853	22-30 22-31 17-23	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)		
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	11 13 15 15	<i>E. coli</i> <i>S. aureus</i> <i>E. faecalis</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 29213 ATCC 29212 ATCC 49619	17-23 17-23 18-24 25-31	
Nitrofurantoin	F	300	<i>Enterobacteriaceae</i> <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	17 17 17		15-16 15-16 15-16	14 14 14	<i>E. coli</i> <i>S. aureus</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 49619	20-25 18-22 23-29			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	<i>Enterobacteriaceae</i> <i>P. aeruginosa</i> <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	17 17 17 17		13-16 13-16 13-16 13-16	12 12 12 12	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49619	28-35 17-28 22-29 15-21	<i>Enterobacteriaceae</i> <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	19 * 12 *	<i>E. coli</i> <i>S. aureus</i> <i>E. faecalis</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 29213 ATCC 29212 ATCC 49619	28-35 18-24 16-22 18-24
Ofloxacin	OFX	5	<i>Enterobacteriaceae</i> <i>P. aeruginosa</i> <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i> <i>S. pneumoniae</i> Streptococcus spp. β -Hemolytic group Streptococcus spp. Viridans group	16 16 18 16 31 16 16 16		13-15 13-15 15-17 - 25-30 13-15 13-15 13-15	12 12 14 - 24 12 12 12	<i>E. coli</i> <i>S. aureus</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>N. gonorrhoeae</i> <i>S. pneumoniae</i>	ATCC 25922 ATCC 25923 ATCC 27853 ATCC 49247 ATCC 49226 ATCC 49619	29-33 24-28 17-21 31-40 43-51 16-21	<i>Enterobacteriaceae</i> <i>S. aureus</i> Coagulase-negative staphylococci <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	24 20 24 50 30 25	22 20 24 13 30 25	<i>E. coli</i> <i>S. aureus</i> <i>S. pneumoniae</i> <i>H. influenzae</i>	ATCC 25922 ATCC 29213 ATCC 49619 ATCC 49766	29-33 21-27 18-24 31-37
Oxacillin	OX	1	<i>Staphylococcus</i> spp. <i>S. pseudintermedius</i> <i>S. pneumoniae</i>	13 18 20		11-12 - -	10 17 -	<i>S. aureus</i> <i>S. pneumoniae</i>	ATCC 25923 ATCC 49619	18-24 ≤12	<i>S. pneumoniae</i>	20	*	<i>S. pneumoniae</i> <i>S. aureus</i>	ATCC 49619 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 IU	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 18 12 13 17 29 21 25	26 18 * 18 * 13 17 29 21 25	<i>S. aureus</i> <i>S. pneumoniae</i> <i>H. influenzae</i> <i>H. influenzae</i>	ATCC 29213 ATCC 49619 ATCC 49766 ATCC 49247	12-18 16-22 15-21 6-9	
Penicillin G	P	10 IU	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>N. gonorrhoeae</i> Streptococcus spp. β -Hemolytic group	29 15 47 24		- - 27-46 -	28 14 26 -	<i>S. aureus</i> <i>N. gonorrhoeae</i> <i>S. pneumoniae</i>	ATCC 25923 ATCC 49226 ATCC 49619	26-37 26-34 24-30	Not available		Not available			

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Piperacillin	PRL	30	Not available					Not available		Enterobacteriaceae Pseudomonas spp.	20 18	17 18	E. coli ATCC 25922 E. coli ATCC 35218	21-27 9-15
Piperacillin	PRL	100	Enterobacteriaceae P. aeruginosa Acinetobacter spp.	21 21 21	18-20 15-20 18-20	17 14 17		E. coli ATCC 25922 P. aeruginosa ATCC 27853 E. coli ATCC 35218	24-30 25-33 12-18	Not available			Not available	
Piperacillin-tazobactam	TZP	36 (30/6)	Not available					Not available		Enterobacteriaceae Pseudomonas spp.	20 18	17 18	E. coli ATCC 25922 P. aeruginosa ATCC 27853 E. coli ATCC 35218 K. pneumoniae ATCC 700603	21-27 23-29 21-27 14-20
Piperacillin-tazobactam	TZP	110 (100/10)	Enterobacteriaceae P. aeruginosa Acinetobacter spp. Staphylococcus spp. Haemophilus spp.	21 21 21 18 21	18-20 15-20 18-20 - -	17 14 17 17 -		E. coli ATCC 25922 S. aureus ATCC 25923 P. aeruginosa ATCC 27853 E. coli ATCC 35218 H. influenzae ATCC 49247	24-30 27-36 25-33 24-30 33-38	Not available			Not available	
Polymyxin B	PB	300IU	Not available					E. coli ATCC 25922 P. aeruginosa ATCC 27853	13-19 14-18	Not available			Not available	
Quinupristin-dalfopristin	QDA	15	Staphylococcus spp. Enterococcus spp. S. pneumoniae Streptococcus spp. β-Hemolytic group Streptococcus spp. Viridans group	19 19 19 19 19 19	16-18 16-18 16-18 16-18 16-18	15 15 15 15 15		S. aureus ATCC 25923 H. influenzae ATCC 49247 S. pneumoniae ATCC 49619	21-28 15-21 19-24	Staphylococcus spp. Enterococcus spp.	21 22	18 20	S. aureus ATCC 29213 E. faecalis ATCC 29212	21-27 11-17
Rifampicin	RD	5	Staphylococcus spp. Enterococcus spp. Haemophilus spp. S. pneumoniae N. meningitidis	20 20 20 19 25	17-19 17-19 17-19 17-18 20-24	16 16 16 16 19		E. coli ATCC 25922 S. aureus ATCC 25923 H. influenzae ATCC 49247 S. pneumoniae ATCC 49619	8-10 26-34 22-30 25-30	Staphylococcus spp. Streptococcus groups A,B,C and G S. pneumoniae H. influenzae Corynebacterium spp. A. sanguinicola and urinae K. kingae	26 21 22 18 30 25 20	23 15 17 18 25 25 20	S. aureus ATCC 29213 S. pneumoniae ATCC 49619 H. influenzae ATCC 49766	30-36 26-32 21-27
Solithromycin	SOL	15	Not available					S. aureus ATCC 25923 H. influenzae ATCC 49247 N. gonorrhoeae ATCC 49226 S. pneumoniae ATCC 49619	22-30 16-23 33-43 25-33	Not available			Not available	
Spectinomycin	SPC	100	N. gonorrhoeae	18	15-17	14		N. gonorrhoeae ATCC 49226	23-29	Not available			Not available	
Streptomycin	S	10	Enterobacteriaceae	15	12-14	11		E. coli ATCC 25922 S. aureus ATCC 25923	12-20 14-22	Not available			Not available	
Streptomycin	S	300	Enterococcus spp. (Screening Test for HLAR)	10		6		E. faecalis ATCC 29212 E. faecalis ATCC 51299	14-20 6	Enterococcus spp. (Test for HLAR)	19	19	E. faecalis ATCC 29212 E. faecalis ATCC 51299	14-20 6
Sulfonamide	S3	300	Enterobacteriaceae Staphylococcus spp.	17 17	13-16 13-16	12 12		E. coli ATCC 25922 S. aureus ATCC 25923	15-23 24-34	Not available			Not available	
Tedizolid	TZD	20	Not available					S. aureus ATCC 25923	22-29	Not available			Not available	
Teicoplanin	TEC	30	Staphylococcus spp. Enterococcus spp.	14 14	11-13 11-13	10 10		S. aureus ATCC 25923	15-21	Enterococcus spp. Streptococcus groups A,B,C and G S. pneumoniae Viridans group streptococci	16 15 17 16	16 15 17 16	E. faecalis ATCC 29212 S. pneumoniae ATCC 49619 E. faecalis ATCC 51299	15-21 18-24 16-20

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)	
Telithromycin	TEL	15	<i>Staphylococcus</i> spp.	22	19-21	18	<i>S. aureus</i>	ATCC 25923	24-30	Streptococcus groups A,B,C and G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	22	19	<i>S. pneumoniae</i>	ATCC 49619	27-33
			<i>Haemophilus</i> spp.	15	12-14	11	<i>H. influenzae</i>	ATCC 49247	17-23					ATCC 49766	14-20
			<i>S. pneumoniae</i>	19	16-18	15	<i>S. pneumoniae</i>	ATCC 49619	27-33						
Tetracycline	TE	30	Enterobacteriaceae	15	12-14	11	<i>E. coli</i>	ATCC 25922	18-25	Staphylococcus spp. <i>Streptococcus</i> spp. 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>	22	19	<i>S. aureus</i>	ATCC 29213	23-31
			<i>Acinetobacter</i> spp.	15	12-14	11	<i>S. aureus</i>	ATCC 25923	24-30					ATCC 49619	28-34
			<i>Staphylococcus</i> spp.	19	15-18	14	<i>H. influenzae</i>	ATCC 49247	14-22					ATCC 49766	28-34
			<i>Enterococcus</i> spp.	19	15-18	14	<i>N. gonorrhoeae</i>	ATCC 49226	30-42					ATCC 33560	30-38
			<i>Haemophilus</i> spp.	29	26-28	25	<i>S. pneumoniae</i>	ATCC 49619	27-31						
			<i>N. gonorrhoeae</i>	38	31-37	30									
			<i>S. pneumoniae</i>	23	19-22	18									
			<i>Streptococcus</i> spp.	23	19-22	18									
			β-Hemolytic group												
			<i>Streptococcus</i> spp.	23	19-22	18									
			Viridans group												
			Tiamulin	T	30	Refer to CLSI VET015								<i>S. aureus</i>	ATCC 25923
Ticarcillin	TC	75	Not available				<i>E. coli</i>	ATCC 25922	24-30	Enterobacteriaceae <i>Pseudomonas</i> spp.	23	23	<i>E. coli</i>	ATCC 25922	24-30
			<i>P. aeruginosa</i>	21-27	18	18									
			<i>E. coli</i>	ATCC 35218	6										
Ticarcillin-clavulanic acid	TTC	85 (75/10)	Enterobacteriaceae	20	15-19	14	<i>E. coli</i>	ATCC 25922	24-30	Enterobacteriaceae <i>Pseudomonas</i> spp.	23	23	<i>E. coli</i>	ATCC 25922	24-30
			<i>P. aeruginosa</i>	24	16-23	15	<i>S. aureus</i>	ATCC 25923	29-37					ATCC 27853	20-28
			<i>Acinetobacter</i> spp.	20	15-19	14	<i>P. aeruginosa</i>	ATCC 27853	20-28					ATCC 35218	21-25
			<i>Staphylococcus</i> spp.	23	-	22	<i>E. coli</i>	ATCC 35218	21-25						
Tigecycline	TGC	15	Not available				<i>E. coli</i>	ATCC 25922	20-27	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Streptococcus</i> spp. groups A,B,C and G	18	15	<i>E. coli</i>	ATCC 25922	20-27
			<i>S. aureus</i>	20-25	18	18	<i>S. aureus</i>	ATCC 29213	19-25						
			<i>P. aeruginosa</i>	9-13	18	15	<i>E. faecalis</i>	ATCC 29212	20-26						
			<i>H. influenzae</i>	23-31	19	16	<i>S. pneumoniae</i>	ATCC 49619	24-30						
			<i>N. gonorrhoeae</i>	30-40											
			<i>S. pneumoniae</i>	23-29											
Tobramycin	TOB	10	Enterobacteriaceae	15	13-14	12	<i>E. coli</i>	ATCC 25922	18-26	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci	17	14	<i>E. coli</i>	ATCC 25922	18-26
			<i>P. aeruginosa</i>	15	13-14	12	<i>S. aureus</i>	ATCC 25923	19-29					ATCC 27853	20-26
			<i>Acinetobacter</i> spp.	15	13-14	12	<i>P. aeruginosa</i>	ATCC 27853	20-26					ATCC 29213	20-26
			<i>Staphylococcus</i> spp.	15	13-14	12									
Trimethoprim	TM	5	Enterobacteriaceae	16	11-15	10	<i>E. coli</i>	ATCC 25922	21-28	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	18	15	<i>E. coli</i>	ATCC 25922	21-28
			<i>Staphylococcus</i> spp.	16	11-15	10	<i>S. aureus</i>	ATCC 25923	19-26					ATCC 29213	22-28
Trimethoprim-sulfamethoxazole	SXT	25 (1.25/23.75)	Enterobacteriaceae	16	11-15	10	<i>E. coli</i>	ATCC 25922	23-29	Enterobacteriaceae <i>S. maltophilia</i> <i>Acinetobacter</i> spp. <i>Staphylococcus</i> spp. <i>Enterococcus</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>P. multocida</i> <i>K. kingae</i>	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					ATCC 29213	26-32
			<i>B. cepacia</i>	16	11-15	10	<i>H. influenzae</i>	ATCC 49247	24-32					ATCC 29212	26-34
			<i>S. maltophilia</i>	16	11-15	10	<i>S. pneumoniae</i>	ATCC 49619	20-28					ATCC 49619	18-26
			<i>Staphylococcus</i> spp.	16	11-15	10								ATCC 49766	27-35
			<i>Haemophilus</i> spp.	16	11-15	10									
			<i>S. pneumoniae</i>	19	16-18	15									
			<i>N. meningitidis</i>	30	26-29	25									

ANTIBIOTIC	CODE	µg	CLSI INTERPRETATIVE CRITERIA ¹			CLSI QUALITY CONTROL ¹			EUCAST INTERPRETATIVE CRITERIA ²			EUCAST QUALITY CONTROL ³			
			S ≥	SDD	I	R ≤	diameter (mm)	diameter (mm)	diameter (mm)	S ≥	R <	diameter (mm)	diameter (mm)	diameter (mm)	
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. Viridans Group	17	-	-									

* Refer to EUCAST breakpoint tables.

References

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