

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL	
			MIC µg/mL				MIC µg/mL				
AMIKACIN 0.016 - 256 µg/mL	AK	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp.	16 16 16 16 16	32 32 32 32 32	64 64 64 64 64	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative Staphylococci Non-species related breakpoints	8 8 8 8 8 8	16 16 16 16 16 16	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>P. aeruginosa</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 27853	1-4 64-256 0.5-4 1-4
AMOXICILLIN 0.016 - 256 µg/mL	AML	<i>S. pneumoniae</i> (nonmeningitis)	2	4	8	Enterobacteriaceae <i>Enterococcus</i> spp. Viridans group streptococci <i>H. influenzae</i> <i>N. meningitidis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes <i>H. pylori</i> <i>P. multocida</i> Non-species related breakpoints	8 4 0.5 2 0.12 4 0.5 0.12 1 2	8 8 2 2 1 8 2 0.12 1 8	<i>S. pneumoniae</i> <i>E. coli</i>	ATCC® 49619 ATCC® 25922	0.03-0.12 4-16
AMOXICILLIN* - CLAVULANIC ACID (2/1) 0.016 - 256 * µg/mL <i>CLSI recommended</i>	AUG	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> (nonmeningitis) Anaerobes	8 4 4 2 4	16 - - 4 8	32 8 8 8 16				<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>E. coli</i> <i>H. influenzae</i> <i>S. pneumoniae</i> <i>B. fragilis</i> <i>B. thetaiotaomicron</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 35218 ATCC® 49247 ATCC® 49619 ATCC® 25285 ATCC® 29741	0.12-0.5 0.25-1 2-8 4-16 2-16 0.03-0.12 0.25-1 0.25-1
AMOXICILLIN* - CLAVULANIC ACID (2 µg/mL) 0.016 - 256 * µg/mL <i>EUCAST recommended</i>	AMC					Enterobacteriaceae <i>Enterococcus</i> spp. <i>H. influenzae</i> <i>M. catarrhalis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes <i>P. multocida</i> Non-species related breakpoints	8 4 2 1 4 4 1 2	8 8 2 1 8 8 1 8	<i>E. coli</i>	ATCC® 25922	2-8
AMPICILLIN 0.016 - 256 µg/mL	AMP	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>Streptococcus</i> spp. β-Hemolytic Group <i>Streptococcus</i> spp. Viridans Group <i>N. meningitidis</i> Anaerobes	8 0.25 8 1 0.25 0.25 0.12 0.5	16 - - 2 - 0.5-4 0.25-1 1	32 0.5 16 4 - 8 2 2	Enterobacteriaceae <i>Enterococcus</i> spp. <i>S. pneumoniae</i> Viridans group streptococci <i>H. influenzae</i> <i>N. meningitidis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes <i>L. monocytogenes</i> <i>P. multocida</i> Non-species related breakpoints	8 4 0.5 0.5 1 0.12 4 0.5 1 1 2	8 8 2 2 1 1 8 2 1 1 8	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>E. coli</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 35218 ATCC® 49247 ATCC® 49619	0.5-2 0.5-2 2-8 > 32 2-8 0.06-0.25
AMPICILLIN* - SULBACTAM (2/1) 0.016 - 256 * µg/mL <i>CLSI recommended</i>	AMS	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. Anaerobes	8 8 8 2 8	16 16 16 - 16	32 32 32 4 32				<i>E. coli</i> <i>E. coli</i> <i>H. influenzae</i> <i>B. fragilis</i> <i>B. thetaiotaomicron</i> <i>E. ientum</i>	ATCC® 25922 ATCC® 35218 ATCC® 49247 ATCC® 25285 ATCC® 29741 ATCC® 43055	2-8 8-32 2-8 0.5-2 0.5-2 0.5-2

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			MIC µg/mL				MIC µg/mL			
AMPICILLIN* - SULBACTAM (4 µg/mL) 0.016 - 256 * µg/mL <i>EUCAST recommended</i>	SAM					Enterobacteriaceae <i>Enterococcus</i> spp. <i>H. influenzae</i> <i>M. catarrhalis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes Non-species related breakpoints	8 4 1 1 4 4 2	8 8 1 1 8 8 8	<i>E. coli</i> ATCC® 25922	2-8
AZITHROMYCIN 0.016 - 256 µg/mL	AZM	<i>Staphylococcus</i> spp. <i>H. influenzae</i> <i>S. pneumoniae</i> <i>Streptococcus</i> spp. β-Hemolytic Group <i>Streptococcus</i> spp. Viridans Group <i>N. meningitidis</i>	2 4 0.5 0.5 0.5 2	4 - 1 1 1 -	8 - 2 2 2 -	<i>Staphylococcus</i> spp. Streptococcus groups A, B, C, G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>N. gonorrhoeae</i>	1 0.25 0.25 0.12 0.25 0.25	2 0.5 0.5 4 0.5 0.5	<i>S. aureus</i> <i>H. influenzae</i> <i>S. pneumoniae</i> ATCC® 29213 ATCC® 49247 ATCC® 49619	0.5-2 1-4 0.06-0.25
AZTREONAM 0.016 - 256 µg/mL	ATM	Enterobacteriaceae <i>P. aeruginosa</i> Other Non-Enterobacteriaceae <i>Haemophilus</i> spp.	4 8 8 2	8 16 16 -	16 32 32 -	Enterobacteriaceae <i>Pseudomonas</i> spp. Non-species related breakpoints	1 1 4	4 16 8	<i>E. coli</i> <i>P. aeruginosa</i> <i>H. influenzae</i> ATCC® 25922 ATCC® 27853 ATCC® 49247	0.06-0.25 2-8 0.12-0.5
CEFACLOR 0.016 - 256 µg/mL	CEC	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i>	8 8 8 1	16 16 16 2	32 32 32 4	<i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i>	0.03 0.5 0.12	0.5 0.5 0.12	<i>S. aureus</i> <i>E. coli</i> <i>H. influenzae</i> <i>S. pneumoniae</i> ATCC® 29213 ATCC® 25922 ATCC® 49766 ATCC® 49619	1-4 1-4 1-4 1-4
CEFEPIME 0.016 - 256 µg/mL	FEP	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other non-Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i> <i>S. pneumoniae</i> (meningitis) <i>S. pneumoniae</i> (nonmeningitis) <i>Streptococcus</i> spp. β-Hemolytic Group <i>Streptococcus</i> spp. Viridans Group	8 8 8 8 8 2 0.5 0.5 1 0.5 1 0.5 1	16 16 16 16 16 - - 1 2 - - 2	32 32 32 32 32 - - 4 4 - - 4	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>S. pneumoniae</i> Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> Non-species related breakpoints	1 8 1 0.5 0.25 4 4	4 8 2 0.5 0.25 4 8	<i>S. aureus</i> <i>E. coli</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i> ATCC® 29213 ATCC® 25922 ATCC® 27853 ATCC® 49247 ATCC® 49619	1-4 0.015-0.12 0.5-4 0.5-2 0.03-0.25
CEFIXIME 0.016 - 256 µg/mL	CFM	Enterobacteriaceae <i>Haemophilus</i> spp. <i>N. gonorrhoeae</i>	1 1 0.25	2 - -	4 - -	Enterobacteriaceae <i>H. influenzae</i> <i>M. catarrhalis</i> <i>N. gonorrhoeae</i>	1 0.12 0.5 0.12	1 0.12 1 0.12	<i>S. aureus</i> <i>E. coli</i> <i>H. influenzae</i> ATCC® 29213 ATCC® 25922 ATCC® 49247	8-32 0.25-1 0.12-1

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			MIC µg/mL				MIC µg/mL				
CEFOTAXIME 0.016 - 256 µg/mL 0.002 - 32 µg/mL	CTX	Enterobacteriaceae	1	2	4	Enterobacteriaceae	1	2	<i>S. aureus</i>	ATCC® 29213	1-4
		<i>Acinetobacter</i> spp.	8	16-32	64	<i>S. pneumoniae</i>	0.5	2	<i>E. coli</i>	ATCC® 25922	0.03-0.12
		Other Non-Enterobacteriaceae	8	16-32	64	Viridans group streptococci	0.5	0.5	<i>P. aeruginosa</i>	ATCC® 27853	8-32
		<i>Staphylococcus</i> spp.	8	16-32	64	<i>H. influenzae</i>	0.12	0.12	<i>H. influenzae</i>	ATCC® 49247	0.12-0.5
		<i>Haemophilus</i> spp.	2	-	-	<i>M. catarrhalis</i>	1	2	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12
		<i>N. gonorrhoeae</i>	0.5	-	-	<i>N. gonorrhoeae</i>	0.12	0.12			
		<i>N. meningitidis</i>	0.12	-	-	<i>N. meningitidis</i>	0.12	0.12			
		<i>S. pneumoniae</i> (meningitis)	0.5	1	2	<i>P. multocida</i>	0.03	0.03			
		<i>S. pneumoniae</i> (nonmeningitis)	1	2	4	Non-species related breakpoints	1	2			
		<i>Streptococcus</i> spp. β-Hemolytic Group	0.5	-	-						
		<i>Streptococcus</i> spp. Viridans Group	1	2	4						
		<i>N. meningitidis</i>	0.12	-	-						
		<i>Anaerobes</i>	16	32	64						
CEFOTETAN 0.016 - 256 µg/mL	CTT	Enterobacteriaceae	16	32	64	Not available			<i>S. aureus</i>	ATCC® 29213	4-16
		<i>Staphylococcus</i> spp.	16	32	64				<i>E. coli</i>	ATCC® 25922	0.06-0.25
		<i>N. gonorrhoeae</i>	2	4	8				<i>B. fragilis</i>	ATCC® 25285	1-8
		Anaerobes	16	32	64				<i>B. thetaiotaomicron</i>	ATCC® 29741	16-128
								<i>E. ientum</i>	ATCC® 43055	16-64	
CEFOXITIN 0.016 - 256 µg/mL	FOX	Enterobacteriaceae	8	16	32	Not available			<i>S. aureus</i>	ATCC® 29213	1-4
		<i>Staphylococcus</i> spp.	4	-	8				<i>E. coli</i>	ATCC® 25922	2-8
		<i>N. gonorrhoeae</i>	2	4	8				<i>B. fragilis</i>	ATCC® 25285	2-8
		Anaerobes	16	32	64				<i>B. thetaiotaomicron</i>	ATCC® 29741	8-64
								<i>E. ientum</i>	ATCC® 43055	2-16	
CEFPIROME 0.016 - 256 µg/mL	CR	Not available			Not available			<i>H. influenzae</i>	ATCC® 49247	0.25-1	
CEFPODOXIME 0.016 - 256 µg/mL	PX	Enterobacteriaceae	2	4	8	Enterobacteriaceae	1	1	<i>S. aureus</i>	ATCC® 29213	1-8
		<i>Staphylococcus</i> spp.	2	4	8	<i>S. pneumoniae</i>	0.25	0.5	<i>E. coli</i>	ATCC® 25922	0.25-1
		<i>Haemophilus</i> spp.	2	-	-	<i>H. influenzae</i>	0.25	0.5	<i>H. influenzae</i>	ATCC® 49247	0.25-1
		<i>N. gonorrhoeae</i>	0.5	-	-				<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12
		<i>S. pneumoniae</i>	0.5	1	2						
CEFTAROLINE 0.016 - 256 µg/mL	CPT	Enterobacteriaceae	0.5	1	2	Enterobacteriaceae	0.5	0.5	<i>S. aureus</i>	ATCC® 29213	0.12-0.5
		<i>S. aureus</i> including MRSA	1	2	4	<i>S. aureus</i>	1	1	<i>E. faecalis</i>	ATCC® 29212	0.25-2
		<i>H. influenzae</i>	0.5	-	-	<i>S. pneumoniae</i>	0.25	0.25	<i>E. coli</i>	ATCC® 25922	0.03-12
		<i>S. pneumoniae</i> (nonmeningitis)	0.5	-	-	<i>H. influenzae</i>	0.03	0.03	<i>H. influenzae</i>	ATCC® 49247	0.03-12
		<i>Streptococcus</i> spp. β-Hemolytic Group	0.5	-	-	Non-species related breakpoints	0.5	0.5	<i>S. pneumoniae</i>	ATCC® 49619	0.008-0.03
CEFTAZIDIME 0.016 - 256 µg/mL	CAZ	Enterobacteriaceae	4	8	16	Enterobacteriaceae	1	4	<i>S. aureus</i>	ATCC® 29213	4-16
		<i>P. aeruginosa</i>	8	16	32	<i>Pseudomonas</i> spp.	8	8	<i>E. coli</i>	ATCC® 25922	0.06-0.5
		<i>Acinetobacter</i> spp.	8	16	32	Non-species related breakpoints	4	8	<i>P. aeruginosa</i>	ATCC® 27853	1-4
		<i>B. cepacia</i>	8	16	32				<i>H. influenzae</i>	ATCC® 49247	0.12-1
		<i>S. maltophilia</i>	8	16	32						
		Other Non-Enterobacteriaceae	8	16	32						
		<i>Staphylococcus</i> spp.	8	16	32						
		<i>Haemophilus</i> spp.	2	-	-						
		<i>N. gonorrhoeae</i>	0.5	-	-						
CEFTIZOXIME 0.002 - 32 µg/mL	CZX	Enterobacteriaceae	1	2	4	Not available			<i>S. aureus</i>	ATCC® 29213	2-8
		Other Non-Enterobacteriaceae	8	16-32	64				<i>E. coli</i>	ATCC® 25922	0.03-0.12
		<i>Staphylococcus</i> spp.	8	16-32	64				<i>P. aeruginosa</i>	ATCC® 27853	16-64
		<i>Haemophilus</i> spp.	2	-	-				<i>H. influenzae</i>	ATCC® 49247	0.06-0.5
		<i>N. gonorrhoeae</i>	0.5	-	-				<i>S. pneumoniae</i>	ATCC® 49619	0.12-0.5
		Anaerobes	32	64	128				<i>E. ientum</i>	ATCC® 43055	8-32

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			MIC µg/mL				MIC µg/mL				
CEFTRIAXONE 0.016 - 256 µg/mL 0.002 - 32 µg/mL	CRO	Enterobacteriaceae	1	2	4	Enterobacteriaceae	1	2	<i>S. aureus</i>	ATCC® 29213	1-8
		<i>Acinetobacter</i> spp.	8	16-32	64	<i>S. pneumoniae</i>	0.5	2	<i>E. coli</i>	ATCC® 25922	0.03-0.12
		Other Non-Enterobacteriaceae	8	16-32	64	Viridans group streptococci	0.5	0.5	<i>P. aeruginosa</i>	ATCC® 27853	8-64
		<i>Staphylococcus</i> spp.	8	16-32	64	<i>H. influenzae</i>	0.12	0.12	<i>H. influenzae</i>	ATCC® 49247	0.06-0.25
		<i>Haemophilus</i> spp.	2	-	-	<i>M. catarrhalis</i>	1	2	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12
		<i>N. gonorrhoeae</i>	0.25	-	-	<i>N. gonorrhoeae</i>	0.12	0.12			
		<i>S. pneumoniae</i> (meningitis)	0.5	1	2	<i>N. meningitidis</i>	0.12	0.12			
		<i>S. pneumoniae</i> (nonmeningitis)	1	2	4	Non-species related breakpoints	1	2			
		<i>Streptococcus</i> spp. β-Hemolytic Group	0.5	-	-						
		<i>Streptococcus</i> spp. Viridans Group	1	2	4						
		<i>N. meningitidis</i>	0.12	-	-						
		Anaerobes	16	32	64						
		CEFUROXIME 0.016 - 256 µg/mL	CXM	Enterobacteriaceae:				Enterobacteriaceae:			<i>S. aureus</i>
- sodium (parenteral)	8			16	32	- Cefuroxime iv	8	8	<i>E. coli</i>	ATCC® 25922	2-8
- axetil (oral)	4			8-16	32	- Cefuroxime oral	8	8	<i>H. influenzae</i>	ATCC® 49766	0.25-1
<i>Staphylococcus</i> spp:						<i>S. pneumoniae</i> :			<i>S. pneumoniae</i>	ATCC® 49619	0.25-1
- sodium (parenteral)	8			16	32	- Cefuroxime iv	0.5	1			
- axetil (oral)	4			8-16	32	- Cefuroxime oral	0.25	0.5			
<i>Haemophilus</i> spp	4			8	16	Viridans group streptococci:					
<i>N. gonorrhoeae</i>	1			2	4	- Cefuroxime iv	0.5	0.5			
<i>S. pneumoniae</i> :						<i>H. influenzae</i> :					
- parenteral	0.5			1	2	- Cefuroxime iv	1	2			
- axetil (oral)	1			2	4	- Cefuroxime oral	0.12	1			
						<i>M. catarrhalis</i> :					
						- Cefuroxime iv	4	8			
				- Cefuroxime oral	0.12	4					
				Non-species related breakpoints :							
				- Cefuroxime iv	4	8					
CEPHALOTHIN 0.016 - 256 µg/mL	KF	Enterobacteriaceae	8	16	32	Not available			<i>S. aureus</i>	ATCC® 29213	0.12-0.5
		<i>Staphylococcus</i> spp.	8	16	32				<i>E. coli</i>	ATCC® 25922	4-16
									<i>S. pneumoniae</i>	ATCC® 49619	0.5-2
CHLORAMPHENICOL 0.016 - 256 µg/mL	C	Enterobacteriaceae	8	16	32	Enterobacteriaceae	8	8	<i>S. aureus</i>	ATCC® 29213	2-16
		<i>B. cepacia</i>	8	16	32	<i>Staphylococcus</i> spp.	8	8	<i>E. faecalis</i>	ATCC® 29212	4-16
		<i>S. maltophilia</i>	8	16	32	Streptococcus groups A, B, C, G	8	8	<i>E. coli</i>	ATCC® 25922	2-8
		Other non Enterobacteriaceae	8	16	32	<i>S. pneumoniae</i>	8	8	<i>H. influenzae</i>	ATCC® 49247	0.25-1
		<i>Staphylococcus</i> spp.	8	16	32	<i>H. influenzae</i>	2	2	<i>S. pneumoniae</i>	ATCC® 49619	2-8
		<i>Enterococcus</i> spp.	8	16	32	<i>M. catarrhalis</i>	2	2	<i>B. fragilis</i>	ATCC® 25285	4-16
		<i>Haemophilus</i> spp.	2	4	8	<i>N. meningitidis</i>	2	4	<i>B. thetaiotaomicron</i>	ATCC® 29741	8-32
		<i>S. pneumoniae</i>	4	-	8	Gram-pos. anaerobes (except <i>C. difficile</i>)	8	8	<i>E. ientum</i>	ATCC® 43055	4-16
		<i>Streptococcus</i> spp. β-Hemolytic Group	4	8	16	Gram-negative anaerobes	8	8			
		<i>Streptococcus</i> spp. Viridans Group	4	8	16						
		<i>N. meningitidis</i>	2	4	8						
		Anaerobes	8	16	32						

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				MIC µg/mL				MIC µg/mL					
CIPROFLOXACIN 0.002 - 32 µg/mL	CIP	Enterobacteriaceae (except <i>S. typhi</i> and extraintestinal <i>Salmonella</i> spp.)	1	2	4	Enterobacteriaceae	0.5	1	<i>S. aureus</i>	ATCC® 29213	0.12-0.5		
		<i>Salmonella</i> spp.				<i>Pseudomonas</i> spp.	0.5	1	<i>E. faecalis</i>	ATCC® 29212	0.25-2		
		<i>S. typhi</i> and extraintestinal <i>Salmonella</i> spp.	0.06	0.12-0.5	1	<i>Acinetobacter</i> spp.	1	1	<i>E. coli</i>	ATCC® 25922	0.004-0.015		
		<i>P. aeruginosa</i>	1	2	4	<i>Staphylococcus</i> spp.	1	1	<i>P. aeruginosa</i>	ATCC® 27853	0.25-1		
		<i>Acinetobacter</i> spp.	1	2	4	<i>S. pneumoniae</i>	0.12	2	<i>H. influenzae</i>	ATCC® 49247	0.004.0.03		
		Other non Enterobacteriaceae	1	2	4	<i>H. influenzae</i>	0.5	0.5					
		<i>Staphylococcus</i> spp.	1	2	4	<i>M. catarrhalis</i>	0.5	0.5					
		<i>Enterococcus</i> spp.	1	2	4	<i>N. gonorrhoeae</i>	0.03	0.06					
		<i>Haemophilus</i> spp.	1	-	-	<i>N. meningitidis</i>	0.06	0.06					
		<i>N. gonorrhoeae</i>	0.06	0.12-0.5	1	<i>C. jejuni</i> and <i>coli</i>	0.5	0.5					
		<i>N. meningitidis</i>	0.03	0.06	0.12	Non-species related breakpoints	0.5	1					
		CLARITHROMYCIN 0.016 - 256 µg/mL	CLR	<i>Staphylococcus</i> spp.	2	4	8	<i>Staphylococcus</i> spp.	1	2	<i>S. aureus</i>	ATCC® 29213	0.12-0.5
				<i>H. influenzae</i>	8	16	32	Streptococcus groups A, B, C, G	0.25	0.5	<i>H. influenzae</i>	ATCC® 49247	4-16
<i>S. pneumoniae</i>	0.25			0.5	1	<i>S. pneumoniae</i>	0.25	0.5	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12		
Streptococcus spp. β-Hemolytic Group	0.25			0.5	1	<i>H. influenzae</i>	1	32					
Streptococcus spp. Viridans Group	0.25			0.5	1	<i>M. catarrhalis</i>	0.25	0.5					
						<i>H. pylori</i>	0.25	0.5					
CLINDAMYCIN 0.016 - 256 µg/mL	CD	<i>Staphylococcus</i> spp.	0.5	1-2	4	<i>Staphylococcus</i> spp.	0.25	0.5	<i>S. aureus</i>	ATCC® 29213	0.06-0.25		
		<i>S. pneumoniae</i>	0.25	0.5	1	Streptococcus groups A, B, C, G	0.5	0.5	<i>E. faecalis</i>	ATCC® 29212	4-16		
		Streptococcus spp. β-Hemolytic Group	0.25	0.5	1	<i>S. pneumoniae</i>	0.5	0.5	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12		
		Streptococcus spp. Viridans Group	0.25	0.5	1	Viridans group streptococci	0.5	0.5	<i>B. fragilis</i>	ATCC® 25285	0.5-2		
		Anaerobes	2	4	8	Gram-pos. anaerobes (except <i>C. difficile</i>)	4	4	<i>B. thetaiotaomicron</i>	ATCC® 29741	2-8		
						Gram-negative anaerobes	4	4	<i>E. ientum</i>	ATCC® 43055	0.06-0.25		
COLISTIN 0.016 - 256 µg/mL 0.064 - 1024 µg/mL	CS	<i>P. aeruginosa</i>	2	4	8	Enterobacteriaceae	2	2	<i>E. coli</i>	ATCC® 25922	0.25-2		
		<i>Acinetobacter</i> spp.	2	-	4	<i>Pseudomonas</i> spp.	4	4	<i>P. aeruginosa</i>	ATCC® 27853	0.5-4		
		Other Non-Enterobacteriaceae	2	4	8	<i>Acinetobacter</i> spp.	2	2					
DAPTOMYCIN 0.016 - 256 µg/mL	DAP	<i>Staphylococcus</i> spp.	1	-	-	<i>Staphylococcus</i> spp.	1	1	<i>S. aureus</i>	ATCC® 29213	0.12-1		
		<i>Enterococcus</i> spp.	4	-	-	Streptococcus groups A, B, C, G	1	1	<i>E. faecalis</i>	ATCC® 29212	1-4		
		Streptococcus spp. β-Hemolytic Group	1	-	-				<i>S. pneumoniae</i>	ATCC® 49619	0.06-0.5		
		Streptococcus spp. Viridans Group	1	-	-								
DORIPENEM 0.002 - 32 µg/mL	DOR	Enterobacteriaceae	1	2	4	Enterobacteriaceae	1	4	<i>S. aureus</i>	ATCC® 29213	0.015-0.06		
		<i>P. aeruginosa</i>	2	4	8	<i>Pseudomonas</i> spp.	1	4	<i>E. faecalis</i>	ATCC® 29212	1-4		
		<i>Staphylococcus</i> spp.	0.5	-	-	<i>Acinetobacter</i> spp.	1	4	<i>E. coli</i>	ATCC® 25922	0.015-0.06		
		<i>Haemophilus</i> spp.	1	-	-	<i>S. pneumoniae</i>	1	1	<i>P. aeruginosa</i>	ATCC® 27853	0.12-0.5		
		<i>S. pneumoniae</i>	1	-	-	Viridans group streptococci	1	1	<i>H. influenzae</i>	ATCC® 49766	0.06-0.25		
		Streptococcus spp. β-Hemolytic Group	0.12	-	-	<i>H. influenzae</i>	1	1	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12		
		Streptococcus spp. Viridans Group	1	-	-	<i>M. catarrhalis</i>	1	1	<i>B. fragilis</i>	ATCC® 25285	0.12-0.5		
		Anaerobes	2	4	8	Gram-pos. anaerobes (except <i>C. difficile</i>)	1	1	<i>B. thetaiotaomicron</i>	ATCC® 29741	0.12-1		
						Gram-negative anaerobes	1	1					
						Non-species related breakpoints	1	4					
DOXYCYCLINE 0.016 - 256 µg/mL	DXT	Enterobacteriaceae	4	8	16	<i>Staphylococcus</i> spp.	1	2	<i>S. aureus</i>	ATCC® 29213	0.12-0.5		
		<i>Acinetobacter</i> spp.	4	8	16	Streptococcus groups A, B, C, G	1	2	<i>E. faecalis</i>	ATCC® 29212	2-8		
		Other Non-Enterobacteriaceae	4	8	16	<i>S. pneumoniae</i>	1	2	<i>E. coli</i>	ATCC® 25922	0.5-2		
		<i>Staphylococcus</i> spp.	4	8	16	<i>H. influenzae</i>	1	2	<i>S. pneumoniae</i>	ATCC® 49619	0.015-0.12		
		<i>Enterococcus</i> spp.	4	8	16	<i>M. catarrhalis</i>	1	2	<i>B. thetaiotaomicron</i>	ATCC® 29741	2-8		
		<i>S. pneumoniae</i>	0.25	0.5	1	<i>P. multocida</i>	1	1	<i>E. ientum</i>	ATCC® 43055	2-16		

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL
			MIC µg/mL				MIC µg/mL			
ENROFLOXACIN 0.002 - 32 µg/mL	ENR	Refer to CLSI M31-A3				Not available			<i>S. aureus</i> ATCC® 29213 <i>P. aeruginosa</i> ATCC® 27853 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922	0.03-0.12 1-4 0.12-1 0.008-0.03
ERTAPENEM 0.002-32 µg/mL	ETP	Enterobacteriaceae <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 Anaerobes	0.5 2 0.5 1 1 1 4	1 4 - 2 - - 8	2 8 - 4 - - 16	Enterobacteriaceae <i>S. pneumoniae</i> Viridans group streptococci <i>H. influenzae</i> <i>M. catarrhalis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes Non-species related breakpoints	0.5 0.5 0.5 0.5 0.5 1 1 0.5	1 0.5 0.5 0.5 0.5 1 1 1	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>H. influenzae</i> ATCC® 49766 <i>S. pneumoniae</i> ATCC® 49619 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741 <i>E. ientum</i> ATCC® 43055	0.06-0.25 4-16 0.004-0.015 2-8 0.015-0.06 0.03-0.25 0.06-0.5 0.5-2 0.5-4
ERYTHROMYCIN 0.016 - 256 µg/mL	E	<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	0.5 0.5 0.25 0.25 0.25	1-4 1-4 0.5 0.5 0.5	8 8 1 1 1	<i>Staphylococcus</i> spp. Streptococcus groups A, B, C, 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>	1 0.25 0.25 0.5 0.25 1 4 8	2 0.5 0.5 16 0.5 1 4 8	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>S. pneumoniae</i> ATCC® 49619	0.25-1 1-4 0.03-0.12
FOSFOMYCIN 0.016 - 256 µg/mL 0.064 - 1024 µg/mL	FOS	Enterobacteriaceae <i>Enterococcus</i> spp.	64 64	128 128	256 256	Enterobacteriaceae: - Fosfomicin iv - Fosfomicin oral <i>Staphylococcus</i> spp.: - Fosfomicin iv	32 32 32	32 32 32	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	0.5-4 32-128 0.5-2 2-8
FUSIDIC ACID 0.016 - 256 µg/mL	FU	Not available				<i>Staphylococcus</i> spp.	1	1	<i>S. aureus</i> ATCC® 29213 <i>S. pneumoniae</i> ATCC® 49619	0.06-0.25 4-32
GATIFLOXACIN 0.002-32 µg/mL	GAT	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. <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	2 2 2 2 0.5 2 1 0.125 1 1 1	4 4 4 4 1 - 0.25 2 2 2	8 8 8 2 8 - 0.5 4 4 4	Not available			<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>H. influenzae</i> ATCC® 49766 <i>S. pneumoniae</i> ATCC® 49619	0.03-0.12 0.12-1 0.008-0.03 0.5-2 0.004-0.03 0.12-0.5
GEMIFLOXACIN 0.002-32 µg/mL	GEM	Enterobacteriaceae <i>Haemophilus</i> spp. <i>S. pneumoniae</i>	0.25 0.12 0.12	0.5 - 0.25	1 - 0.5	Not available			<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>H. influenzae</i> ATCC® 49766 <i>S. pneumoniae</i> ATCC® 49619	0.008-0.03 0.015-0.12 0.004-0.015 0.25-1 0.002-0.008 0.008-0.03
GENTAMICIN 0.016 - 256 µg/mL 0.064 - 1024 µg/mL	CN	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp.	4 4 4 4 4	8 8 8 8 8	16 16 16 16 16	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative Staphylococci Non-species related breakpoints	2 4 4 1 1 2	4 4 4 1 1 4	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	0.12-1 4-16 0.25-1 0.5-2

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL			
			MIC µg/mL				MIC µg/mL						
IMIPENEM 0.002 - 32 µg/mL	IMI	Enterobacteriaceae	1	2	4	Enterobacteriaceae	2	8	<i>S. aureus</i>	ATCC® 29213	0.015-0.06		
		<i>P. aeruginosa</i>	2	4	8	<i>Pseudomonas</i> spp.	4	8	<i>E. faecalis</i>	ATCC® 29212	0.5-2		
		<i>Acinetobacter</i> spp.	4	8	16	<i>Acinetobacter</i> spp.	2	8	<i>E. coli</i>	ATCC® 25922	0.06-0.25		
		Other Non-Enterobacteriaceae	4	8	16	<i>Enterococcus</i> spp.	4	8	<i>P. aeruginosa</i>	ATCC® 27853	1-4		
		<i>Staphylococcus</i> spp.	4	8	16	<i>S. pneumoniae</i>	2	2	<i>H. influenzae</i>	ATCC® 49766	0.25-1		
		<i>Haemophilus</i> spp.	4	-	-	Viridans group streptococci	2	2	<i>S. pneumoniae</i>	ATCC® 49619	0.03-0.12		
		<i>S. pneumoniae</i>	0.12	0.25-0.5	1	<i>H. influenzae</i>	2	2	<i>B. fragilis</i>	ATCC® 25285	0.03-0.25		
		Anaerobes	4	8	16	<i>M. catarrhalis</i>	2	2	<i>B. thetaiotaomicron</i>	ATCC® 29741	0.25-1		
						Gram-pos. anaerobes (except <i>C. difficile</i>)	2	8	<i>E. ientum</i>	ATCC® 43055	0.25-2		
						Gram-negative anaerobes	2	8					
				Non-species related breakpoints	2	8							
KANAMYCIN 0.016 - 256 µg/mL	K	Enterobacteriaceae	16	32	64	Not available			<i>S. aureus</i>	ATCC® 29213	1-4		
		<i>Staphylococcus</i> spp.	16	32	64		<i>E. faecalis</i>	ATCC® 29212	16-64	<i>E. coli</i>	ATCC® 25922	1-4	
LEVOFLOXACIN 0.002 - 32 µg/mL	LEV	Enterobacteriaceae	0.12	0.25-1	2	Enterobacteriaceae	1	2	<i>S. aureus</i>	ATCC® 29213	0.06-0.5		
		<i>P. aeruginosa</i>	2	4	8	<i>Pseudomonas</i> spp.	1	2	<i>E. faecalis</i>	ATCC® 29212	0.25-2		
		<i>Acinetobacter</i> spp.	2	4	8	<i>Acinetobacter</i> spp.	1	2	<i>E. coli</i>	ATCC® 25922	0.008-0.06		
		<i>B. cepacia</i>	2	4	8	<i>Staphylococcus</i> spp.	1	2	<i>P. aeruginosa</i>	ATCC® 27853	0.5-4		
		<i>S. maltophilia</i>	2	4	8	<i>Streptococcus</i> groups A, B, C, G	1	2	<i>H. influenzae</i>	ATCC® 49247	0.008-0.03		
		Other Non-Enterobacteriaceae	2	4	8	<i>S. pneumoniae</i>	2	2	<i>S. pneumoniae</i>	ATCC® 49619	0.5-2		
		<i>Staphylococcus</i> spp.	1	2	4	<i>H. influenzae</i>	1	1					
		<i>Enterococcus</i> spp.	2	4	8	<i>M. catarrhalis</i>	1	1					
		<i>Haemophilus</i> spp.	2	-	-	<i>H. pylori</i>	1	1					
		<i>S. pneumoniae</i>	2	4	8	<i>P. multocida</i>	0.06	0.06					
		<i>Streptococcus</i> spp. β-Hemolytic Group	2	4	8	Non-species related breakpoints	1	2					
		<i>Streptococcus</i> spp. Viridans Group	2	4	8								
		<i>N. meningitidis</i>	0.03	0.06	0.12								
		LINEZOLID 0.016 - 256 µg/mL	LNZ	<i>Staphylococcus</i> spp.	4	-	8	<i>Staphylococcus</i> spp.	4	4	<i>S. aureus</i>	ATCC® 29213	1-4
				<i>Enterococcus</i> spp.	2	4	8	<i>Enterococcus</i> spp.	4	4	<i>E. faecalis</i>	ATCC® 29212	1-4
<i>S. pneumoniae</i>	2			-	-	<i>Streptococcus</i> groups A, B, C, G	2	4	<i>S. pneumoniae</i>	ATCC® 49619	0.25-2		
<i>Streptococcus</i> spp. β-Hemolytic Group	2			-	-	<i>S. pneumoniae</i>	2	4	<i>B. fragilis</i>	ATCC® 25285	2-8		
<i>Streptococcus</i> spp. Viridans Group	2			-	-	Non-species related breakpoints	2	4	<i>B. thetaiotaomicron</i>	ATCC® 29741	2-8		
									<i>E. ientum</i>	ATCC® 43055	0.5-2		
MECILLINAM 0.002 - 32 µg/mL	MEC	Enterobacteriaceae	8	16	32	Enterobacteriaceae	8	8	<i>E. coli</i>	ATCC® 25922	0.03-0.25		
MEROPENEM 0.002 - 32 µg/mL	MRP	Enterobacteriaceae	1	2	4	Enterobacteriaceae	2	8	<i>S. aureus</i>	ATCC® 29213	0.03-0.12		
		<i>P. aeruginosa</i>	2	4	8	<i>Pseudomonas</i> spp.	2	8	<i>E. faecalis</i>	ATCC® 29212	2-8		
		<i>Acinetobacter</i> spp.	4	8	16	<i>Acinetobacter</i> spp.	2	8	<i>E. coli</i>	ATCC® 25922	0.008-0.06		
		<i>B. cepacia</i>	4	8	16	<i>S. pneumoniae</i> (infections other than meningitis)	2	2	<i>P. aeruginosa</i>	ATCC® 27853	0.25-1		
		Other Non-Enterobacteriaceae	4	8	16	<i>S. pneumoniae</i> (meningitis)	0.25	1	<i>H. influenzae</i>	ATCC® 49766	0.03-0.12		
		<i>Staphylococcus</i> spp.	4	8	16	Viridans group streptococci	2	2	<i>S. pneumoniae</i>	ATCC® 49619	0.06-0.25		
		<i>Haemophilus</i> spp.	0.5	-	-	<i>H. influenzae</i> (infections other than meningitis)	2	2	<i>B. fragilis</i>	ATCC® 25285	0.03-0.25		
		<i>S. pneumoniae</i>	0.25	0.5	1	<i>H. influenzae</i> (meningitis)	0.25	1	<i>B. thetaiotaomicron</i>	ATCC® 29741	0.06-0.5		
		<i>Streptococcus</i> spp. β-Hemolytic Group	0.5	-	-	<i>M. catarrhalis</i>	2	2	<i>E. ientum</i>	ATCC® 43055	0.125-1		
		<i>Streptococcus</i> spp. Viridans Group	0.5	-	-	<i>N. meningitidis</i>	0.25	0.25					
		<i>N. meningitidis</i>	0.25	-	-	Gram-pos. anaerobes (except <i>C. difficile</i>)	2	8					
		Anaerobes	4	8	16	Gram-negative anaerobes	2	8					
						<i>L. monocytogenes</i>	0.25	0.25					
						Non-species related breakpoints	2	8					

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL	
			MIC µg/mL				MIC µg/mL				
METRONIDAZOLE 0.016 - 256 µg/mL	LZ	Anaerobes	8	16	32	Gram-pos. anaerobes (except <i>C. difficile</i>) <i>C. difficile</i> Gram-negative anaerobes <i>H. pylori</i>	4 2 4 8	4 2 4 8	<i>B. fragilis</i> <i>B. thetaiotaomicron</i> <i>E. ientum</i>	ATCC® 25285 ATCC® 29741 ATCC® 43055	0.25-2 0.5-4 0.125-0.5
MINOCYCLINE 0.016 - 256 µg/mL	MN	Enterobacteriaceae <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>S. maltophilia</i> Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>N. meningitidis</i>	4 4 4 4 4 4 4 2	8 8 8 8 8 8 8 -	16 16 16 16 16 16 16 -	<i>Staphylococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>N. gonorrhoeae</i> <i>N. meningitidis</i>	0.5 0.5 0.5 1 1 0.5 1	1 1 1 2 2 1 2	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922	0.06-0.5 1-4 0.25-1
MOXIFLOXACIN 0.002 - 32 µg/mL	MXF	<i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> Anaerobes	0.5 1 1 2	1 -	2 -	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> Non-species related breakpoints	0.5 0.5 0.5 0.5 0.5 0.5	1 1 1 0.5 0.5 1	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i> <i>B. fragilis</i> <i>B. thetaiotaomicron</i> <i>E. ientum</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 27853 ATCC® 49247 ATCC® 49619 ATCC® 25285 ATCC® 29741 ATCC® 43055	0.015-0.12 0.06-0.5 0.008-0.06 1-8 0.008-0.03 0.06-0.25 0.12-0.5 1-8 0.12-0.5
MUPIROCIN 0.064 - 1024 µg/mL	MUP	Not available				<i>Staphylococcus</i> spp.	1	256	<i>S. aureus</i>	ATCC® 29213	0.06-0.25
NALIDIXIC ACID 0.016 - 256 µg/mL	NA	Enterobacteriaceae	16	-	32	Not available			<i>E. coli</i>	ATCC® 25922	1-4
NETILMICIN 0.016 - 256 µg/mL	NET	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp.	8 8 8 8 8	16 16 16 16 16	32 32 32 32 32	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative Staphylococci Non-species related breakpoints	2 4 4 1 1 2	4 4 4 1 1 4	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>P. aeruginosa</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 27853	≤ 0.25 4-16 ≤ 0.5-1 0.5-8
NITROFURANTOIN 0.032-512 µg/mL	F	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	32 32 32	64 64 64	128 128 128	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G	64 64 64 64	64 64 64 64	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>S. pneumoniae</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 49619	8-32 4-16 4-16 4-16
NORFLOXACIN 0.016 - 256 µg/mL	NOR	Enterobacteriaceae <i>P. aeruginosa</i> Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	4 4 4 4 4	8 8 8 8 8	16 16 16 16 16	Enterobacteriaceae Non-species related breakpoints	0.5 0.5	1 1	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>P. aeruginosa</i> <i>S. pneumoniae</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 27853 ATCC® 49619	0.5-2 2-8 0.03-0.12 1-4 2-8
OFLOXACIN 0.002 - 32 µg/mL	OFX	Enterobacteriaceae <i>P. aeruginosa</i> Other Non-Enterobacteriaceae <i>Staphylococcus</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	0.12 2 2 1 2 0.25 2 2 2	0.25-1 4 4 2 -	2 8 8 4 -	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>N. gonorrhoeae</i> Non-species related breakpoints	0.5 1 0.12 0.5 0.5 0.12 0.5	1 1 4 0.5 0.5 0.25 1	<i>S. aureus</i> <i>E. faecalis</i> <i>E. coli</i> <i>P. aeruginosa</i> <i>H. influenzae</i> <i>S. pneumoniae</i>	ATCC® 29213 ATCC® 29212 ATCC® 25922 ATCC® 27853 ATCC® 49247 ATCC® 49619	0.12-1 1-4 0.015-0.12 1-8 0.015-0.06 1-4

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL
			MIC µg/mL				MIC µg/mL			
OXACILLIN 0.016 - 256 µg/mL	OX	<i>S. aureus</i> and <i>S. lugdunensis</i> Coagulase-negative Staphylococci except <i>S.</i> <i>lugdunensis</i>	2 0.25	- -	4 0.5	Not available			<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212	0.12-0.5 8-32
PENICILLIN G 0.002 - 32 µg/mL or 0.016 - 256 µg/mL	P	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>N. gonorrhoeae</i> <i>S. pneumoniae</i> parenteral (nonmeningitis) <i>S. pneumoniae</i> parenteral (meningitis) <i>S. pneumoniae</i> oral <i>Streptococcus</i> spp. β-Hemolytic Group <i>Streptococcus</i> spp. Viridans Group <i>N. meningitidis</i> Anaerobes	0.12 8 0.06 2 0.06 0.12 0.12 0.06 0.5	- - 0.12-1 4 - - -	0.25 16 2 8 0.12 4 2 0.5 2	<i>S. aureus</i> <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> (infections other than meningitis) <i>S. pneumoniae</i> (meningitis) Viridans group streptococci <i>N. gonorrhoeae</i> <i>N. meningitidis</i> Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes <i>L. monocytogenes</i> <i>P. multocida</i> Non-species related breakpoints	0.12 0.25 0.06 0.06 0.25 0.06 0.25 0.25 0.5 0.25	0.12 0.25 2 1 0.25 0.5 1 0.5 2	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>S. pneumoniae</i> ATCC® 49619 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741	0.25-2 1-4 0.25-1 8-32 8-32
PIPERACILLIN 0.016 - 256 µg/mL	PIP	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae Anaerobes	16 64 16 16 32	32-64 - 32-64 32-64 64	128 128 128 128 128	Enterobacteriaceae <i>Pseudomonas</i> spp. Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes Non-species related breakpoints	8 16 8 16 4	16 16 16 16 16	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>E. coli</i> ATCC® 35218 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741 <i>E. ientum</i> ATCC® 43055	1-4 1-4 1-4 1-8 > 64 4-16 8-64 8-32
PIPERACILLIN*- TAZOBACTAM (4 µg/mL) 0.016 - 256 * µg/mL	TZP	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Haemophilus</i> spp. Anaerobes	16 64 16 16 8 1 32	32-64 - 32-64 32-64 - - 64	128 128 128 128 16 2 128	Enterobacteriaceae <i>Pseudomonas</i> spp. Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes Non-species related breakpoints	8 16 8 8 4	16 16 16 16 16	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>E. coli</i> ATCC® 35218 <i>H. influenzae</i> ATCC® 49247 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741 <i>E. ientum</i> ATCC® 43055	0.25-2 1-4 1-4 1-8 0.5-2 0.06-0.5 0.03-0.25 2-16 8-32
POLYMYXIN B 0.064 - 1024 µg/mL	PB	<i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae	2 2 2	4 - 4	8 4 8	Not available			<i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	0.25-2 1-4
QUINUPRISTIN-DALFOPRISTIN 0.002 - 32 µg/mL	QDA	<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	1 1 1 1 1	2 2 2 2 2	4 4 4 4 4	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	1 1	2 4	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>H. influenzae</i> ATCC® 49247 <i>S. pneumoniae</i> ATCC® 49619	0.25-1 2-8 2-8 0.25-1
RIFAMPICIN 0.002 - 32 µg/mL or 0.016 - 256 µg/mL	RD	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Haemophilus</i> spp. <i>S. pneumoniae</i> <i>N. meningitidis</i>	1 1 1 1 0.5	2 2 2 2 1	4 4 4 4 2	<i>Staphylococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>N. meningitidis</i> <i>H. pylori</i>	0.06 0.06 0.06 1 0.25 1	0.5 0.5 0.5 1 0.25 1	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>H. influenzae</i> ATCC® 49247 <i>S. pneumoniae</i> ATCC® 49619	0.004-0.015 0.5-4 4-16 16-64 0.25-1 0.015-0.06
SPECTINOMYCIN 0.064 - 1024 µg/mL	SPC	<i>N. gonorrhoeae</i>	32	64	128	<i>N. gonorrhoeae</i>	64	64	<i>N. gonorrhoeae</i> ATCC® 49226	8-32

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL
			MIC µg/mL				MIC µg/mL			
STREPTOMYCIN 0.064 - 1024 µg/mL (HLAR)	S	Enterococci (HLAR)	-	-	1000	Not available			<i>E. faecalis</i> ATCC® 33186 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	64-256 2-8 8-32
TEICOPLANIN 0.016 - 256 µg/mL	TEC	<i>Staphylococcus</i> spp. <i>Enterococcus</i> spp.	8 8	16 16	32 32	<i>S. aureus</i> Coagulase-negative staphylococci <i>Enterococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> Viridans group streptococci	2 4 2 2 2 2	2 4 2 2 2	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212	0.25-1 0.25-1
TELAVANCIN 0.002 - 32 µg/mL 0.016 - 256 µg/mL	TLV	Not available				MRSA	1	1	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>S. pneumoniae</i> ATCC® 49619	0.12-1 0.12-0.5 0.04-0.03
TETRACYCLINE 0.016 - 256 µg/mL	TE	Enterobacteriaceae <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. <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 Group Anaerobes	4 4 4 4 4 2 0.25 1 2 2 2 4	8 8 8 8 8 4 0.5-1 2 4 4 8 8	16 16 16 16 16 8 2 4 8 16	<i>Staphylococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G <i>S. pneumoniae</i> <i>H. influenzae</i> <i>M. catarrhalis</i> <i>N. gonorrhoeae</i> <i>N. meningitidis</i> <i>H. pylori</i> <i>C. jejuni</i> and <i>coli</i>	1 1 1 1 1 0.5 1 1 2 2	2 2 2 2 2 1 2 1 2	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853 <i>H. influenzae</i> ATCC® 49247 <i>S. pneumoniae</i> ATCC® 49619 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741	0.12-1 8-32 0.5-2 8-32 4-32 0.06-0.5 0.125-0.5 8-32
TICARCILLIN* - CLAVULANIC ACID (2 µg/mL) 0.016 - 256* µg/mL	TTC	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. <i>B. cepacia</i> <i>S. maltophilia</i> Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp. Anaerobes	16 64 16 16 16 16 8 32	32-64 - 32-64 32-64 32-64 32-64 - 64	128 128 128 128 128 16 128	Enterobacteriaceae <i>Pseudomonas</i> spp. Gram-pos. anaerobes (except <i>C. difficile</i>) Gram-negative anaerobes Non-species related breakpoints	8 16 8 8 8	16 16 16 16 16	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>E. coli</i> ATCC® 35218 <i>P. aeruginosa</i> ATCC® 27853 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741 <i>E. ientum</i> ATCC® 43055	0.5-2 16-64 4-16 8-32 8-32 0.06-0.5 0.5-2 8-32
TIGECYCLINE 0.016 - 256 µg/mL	TGC	Enterobacteriaceae (FDA) <i>E. faecalis</i> (FDA) <i>S. aureus</i> (FDA) Streptococci (FDA) Anaerobes (FDA)	2 0.25 0.5 0.25 4	4 - - - 8	8 - - - 16	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G Non-species related breakpoints	1 0.5 0.25 0.25 0.25	2 0.5 0.5 0.5 0.5	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>H. influenzae</i> ATCC® 49247 <i>S. pneumoniae</i> ATCC® 49619 <i>B. fragilis</i> ATCC® 25285 <i>B. thetaiotaomicron</i> ATCC® 29741 <i>C. difficile</i> ATCC® 700057	0.03-0.25 0.03-0.12 0.03-0.25 0.06-0.5 0.015-0.12 0.06-0.5 0.25-1 0.03-0.12
TOBRAMYCIN 0.016 - 256 µg/mL 0.064 - 1024 µg/mL	TOB	Enterobacteriaceae <i>P. aeruginosa</i> <i>Acinetobacter</i> spp. Other Non-Enterobacteriaceae <i>Staphylococcus</i> spp.	4 4 4 4 4	8 8 8 8 8	16 16 16 16 16	Enterobacteriaceae <i>Pseudomonas</i> spp. <i>Acinetobacter</i> spp. <i>S. aureus</i> Coagulase-negative staphylococci Non-species related breakpoints	2 4 4 1 1 2	4 4 4 1 1 4	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	0.12-1 8-32 0.25-1 0.25-1
TRIMETHOPRIM 0.002 - 32 µg/mL	TM	Enterobacteriaceae <i>Staphylococcus</i> spp.	8 8	- -	16 16	Enterobacteriaceae <i>Staphylococcus</i> spp. <i>Enterococcus</i> spp. <i>Streptococcus</i> groups A, B, C, G	2 2 0.03 2	4 4 1 2	<i>S. aureus</i> ATCC® 29213 <i>E. faecalis</i> ATCC® 29212 <i>E. coli</i> ATCC® 25922 <i>P. aeruginosa</i> ATCC® 27853	1-4 0.12-0.5 0.5-2 > 64

ANTIBIOTIC	CODE	CLSI INTERPRETATIVE CRITERIA ¹	S ≤ I R ≥			EUCAST INTERPRETATIVE CRITERIA ²	S ≤ R >		QUALITY CONTROL	MIC µg/mL	
				MIC µg/mL				MIC µg/mL			
TRIMETHOPRIM* - SULFAMETHOXAZOLE (1/19) 0.002 - 32* µg/mL	SXT	Enterobacteriaceae	2	-	4	Enterobacteriaceae	2	4	<i>S. aureus</i>	ATCC® 29213	≤ 0.5
		<i>Acinetobacter</i> spp.	2	-	4	<i>S. maltophilia</i>	4	4	<i>E. faecalis</i>	ATCC® 29212	≤ 0.5
		<i>B. cepacia</i>	2	-	4	<i>Acinetobacter</i> spp.	2	4	<i>E. coli</i>	ATCC® 25922	≤ 0.5
		<i>S. maltophilia</i>	2	-	4	<i>Staphylococcus</i> spp.	2	4	<i>P. aeruginosa</i>	ATCC® 27853	8-32
		Other Non-Enterobacteriaceae	2	-	4	<i>Enterococcus</i> spp.	0.03	1	<i>H. influenzae</i>	ATCC® 49247	0.03-0.25
		<i>Staphylococcus</i> spp.	2	-	4	<i>Streptococcus</i> groups A, B, C, G	1	2	<i>S. pneumoniae</i>	ATCC® 49619	0.12-1
		<i>Haemophilus</i> spp.	0.5	1-2	4	<i>S. pneumoniae</i>	1	2			
		<i>S. pneumoniae</i>	0.5	1-2	4	<i>H. influenzae</i>	0.5	1			
		<i>N. meningitidis</i>	0.12	0.25	0.5	<i>M. catarrhalis</i>	0.5	1			
						<i>L. monocytogenes</i>	0.06	0.06			
						<i>P. multocida</i>	0.25	0.25			
VANCOMYCIN 0.016 - 256 µg/mL	VA	<i>S. aureus</i>	2	4-8	16	<i>S. aureus</i>	2	2	<i>S. aureus</i>	ATCC® 29213	0.5-2
		<i>Staphylococcus</i> spp.	4	8-16	32	Coagulase-negative staphylococci	4	4	<i>E. faecalis</i>	ATCC® 29212	1-4
		<i>Enterococcus</i> spp.	4	8-16	32	<i>Enterococcus</i> spp.	4	4	<i>S. pneumoniae</i>	ATCC® 49619	0.12-0.5
		<i>S. pneumoniae</i>	1	-	-	<i>Streptococcus</i> groups A, B, C, G	2	2			
		<i>Streptococcus</i> spp. β-Hemolytic Group	1	-	-	<i>S. pneumoniae</i>	2	2			
		<i>Streptococcus</i> spp. Viridans Group	1	-	-	Viridans group streptococci	2	2			
						Gram-pos. anaerobes (except <i>C. difficile</i>)	2	2			
						<i>C. difficile</i>	2	2			

*Value on the M.I.C. scale refers to the first component of the combination.

ANTIFUNGAL	CODE	CLSI INTERPRETATIVE CRITERIA ³	S≤	I MIC µg/mL	R≥	EUCAST INTERPRETATIVE CRITERIA ⁴	S≤	R>	QUALITY CONTROL ⁵	MIC µg/mL 48 hours	
AMPHOTERICIN B 0.002-32 µg/mL	AMB	Not available				<i>C. albicans</i> <i>C. glabrata</i> <i>C. krusei</i> <i>C. parapsilosis</i> <i>C. tropicalis</i> <i>A. fumigatus</i> <i>A. niger</i>	1 1 1 1 1 1 1	1 1 1 1 1 2 2	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.25-1 0.5-2 0.125-0.5
ANIDULAFUNGIN 0.002-32 µg/mL	AND	<i>C. albicans</i> <i>C. glabrata</i> <i>C. tropicalis</i> <i>C. krusei</i> <i>C. parapsilosis</i> <i>C. guilliermondii</i>	0.25 0.12 0.25 0.25 2 2	0.5 0.25 0.5 0.5 4 4	1 0.5 1 1 8 8	<i>C. albicans</i> <i>C. glabrata</i> <i>C. krusei</i> <i>C. tropicalis</i>	0.03 0.06 0.06 0.06	0.03 0.06 0.06 0.06	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.5-4 0.016-0.125 0.002-0.008
CASPOFUNGIN 0.002-32 µg/mL	CAS	<i>C. albicans</i> <i>C. glabrata</i> <i>C. tropicalis</i> <i>C. krusei</i> <i>C. parapsilosis</i> <i>C. guilliermondii</i>	0.25 0.12 0.25 0.25 2 2	0.5 0.25 0.5 0.5 4 4	1 0.5 1 1 8 8	Not available			<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.25-2 0.25-1 0.064-0.25
FLUCONAZOLE 0.016-256 µg/mL	FLU	<i>C. albicans</i> <i>C. glabrata</i> <i>C. parapsilosis</i> <i>C. tropicalis</i>	2 - 2 2	4 32 4 4	8 64 8 8	<i>C. albicans</i> <i>C. glabrata</i> <i>C. parapsilosis</i> <i>C. tropicalis</i> Non-species related breakpoints	2 0.002 2 2 2	4 32 4 4 4	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	1-8 128-≥256 0.125-0.5
FLUCYTOSINE 0.002-32 µg/mL	FC	Not available				Not available			<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.064-0.25 ≥32 0.5-2
ITRACONAZOLE 0.002-32 µg/mL	ITC	Not available				<i>A. flavus</i> <i>A. fumigatus</i> <i>A. nidulans</i> <i>A. terreus</i>	1 1 1 1	2 2 2 2	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.064-0.25 0.25-1 0.064-0.25
KETOCONAZOLE 0.002-32 µg/mL	KE	Not available				Not available			<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.032-0.125 0.25-1 0.008-0.032
MICAFUNGIN 0.002-32 µg/mL	MYC	<i>C. albicans</i> <i>C. glabrata</i> <i>C. tropicalis</i> <i>C. krusei</i> <i>C. parapsilosis</i> <i>C. guilliermondii</i>	0.25 0.06 0.25 0.25 2 2	0.5 0.12 0.5 0.5 4 4	1 0.25 1 1 8 8	Not available			<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.25-2 0.032-0.25 0.004-0.032
POSACONAZOLE 0.002-32 µg/mL	POS	Not available				<i>C. albicans</i> <i>C. parapsilosis</i> <i>C. tropicalis</i> <i>A. fumigatus</i> <i>A. terreus</i>	0.06 0.06 0.06 0.12 0.12	0.06 0.06 0.06 0.25 0.25	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.032-0.25 0.125-0.5 0.032-0.125
VORICONAZOLE 0.002-32 µg/mL	VO	<i>C. albicans</i> <i>C. krusei</i> <i>C. parapsilosis</i> <i>C. tropicalis</i>	0.12 0.5 0.12 0.12	0.25-0.5 1 0.25-0.5 0.25-0.5	1 2 1 1	<i>C. albicans</i> <i>C. parapsilosis</i> <i>C. tropicalis</i> <i>A. fumigatus</i>	0.12 0.12 0.12 1	0.12 0.12 0.12 2	<i>C. parapsilosis</i> <i>C. krusei</i> <i>C. albicans</i>	ATCC® 22019 ATCC® 6258 ATCC® 90028	0.016-0.064 0.25-1 0.004-0.016



ANTIMYCOBACTERIAL	CODE	INTERPRETATIVE CRITERIA	QUALITY CONTROL	MIC µg/mL
ETHAMBUTOL 0.016-256 µg/mL	EB	Not available	<i>M. tuberculosis</i>	0.064-0.25
ETHIONAMIDE 0.016-256 µg/mL	ET	Not available	<i>M. tuberculosis</i>	0.016-0.064
ISONIAZIDE 0.016-256 µg/mL	IZ	Not available	<i>M. tuberculosis</i>	0.016-0.064

RESISTANCE DETECTION

ESBL: Extended Spectrum Beta Lactamase	CODE	INTERPRETATIVE CRITERIA ⁶	QUALITY CONTROL	MIC µg/mL
CEFEPIME/CEFEPIME + CLAVULANIC ACID (4 µg/mL) 0.25-16/0.064-4 µg/mL	FEP/FEL	FEP≥0.25 µg/mL and FEP/FEL≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>P. aeruginosa</i> ATCC® 27853 <i>K. pneumoniae</i> ATCC® 700603	FEP 0.5-2 FEL 1-4 FEP 0.25-1 FEL 0.064-0.25
CEFOTAXIME/CEFOTAXIME+ CLAVULANIC ACID (4 µg/mL) 0.25-16/0.016-1 µg/mL	CTX/CTL	CTX≥0.5 µg/mL and CTX/CTL≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>E. coli</i> ATCC® 35218 <i>K. pneumoniae</i> ATCC® 700603	CTX 0.25 CTL 0.016-0.064 CTX 1-4 CTL 0.125 - 1
CEFTAZIDIME/CEFTAZIDIME+ CLAVULANIC ACID (4 µg/mL) 0.5-32/ 0.064-4 µg/mL	CAZ/CAL	CAZ ≥1 µg/mL and CAZ/CAL≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>E.coli</i> ATCC® 35218 <i>K. pneumoniae</i> ATCC® 700603	CAZ 0.5 CAL 0.064 CAZ 8 - ≥32 CAL 0.125-0.5

MBL: Metallo Beta Lactamase	CODE	INTERPRETATIVE CRITERIA ⁷	QUALITY CONTROL	MIC µg/mL
IMIPENEM/IMIPENEM + EDTA 4-256/1-64 µg/mL	IMI/IMD	IMI/IMD ≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>P. aeruginosa</i> ATCC® 27853 <i>S. maltophilia</i> ATCC® 13636	IMI 4 IMD 1-4 IMI 64-256 IMD 1-4
MEROPENEM/MEROPENEM + EDTA 0.125-8/0.032-2 µg/mL	MRP/MRD	MRP/MRD ≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>P. aeruginosa</i> ATCC® 27853 <i>S. maltophilia</i> ATCC® 13636	MRP 0.25-1 MRD 0.25-1 MRP ≥8 MRD 0.032-0.125

GRD: Glycopeptide Resistance Detection investigational use only	CODE	INTERPRETATIVE CRITERIA ⁸	QUALITY CONTROL	MIC µg/mL
VANCOMYCIN / TEICoplanin 0.5-32/0.5-32 µg/m	VA/TEC	GRD+ for GISA or hGISA: VA or TEC ≥8 µg/mL i. GISA: GRD+ and MIC Test Strip VA M.I.C. ≥4 µg/mL ii. hGISA: GRD+ and MIC Test Strip VA M.I.C. 4 µg/mL	<i>S. aureus</i> ATCC® 29213 <i>S. aureus</i> ATCC® 700698 <i>S. aureus</i> ATCC® 700699	VA 0.5-2 TEC 0.5-4 VA 1-8 TEC ≥8 VA 4-16 TEC ≥8

AmpC investigational use only	CODE	INTERPRETATIVE CRITERIA ⁹	Tentative QUALITY CONTROL	MIC µg/mL
CEFOTETAN / CEFOTETAN+CLOXACILLIN 0.5-32/0.5-32 µg/mL	CTT/CXT	CTT/CXT≥ 8 µg/mL or deformation of ellipse or phantom zone	<i>K. pneumoniae</i> ATCC® 700603 <i>K. pneumoniae</i> ATCC® BAA-1144	CTT 0.5-2 CXT 0.5-2 CTT ≥32 CXT 0.5-1

References

1. CLSI M100-S23. Performance Standards for Antimicrobial Susceptibility Testing, January 2013.
2. EUCAST. Breakpoint tables for interpretation of MICs and zone diameters, Version 3.1, February 2013.
3. CLSI M27-S4. Reference Method for Broth Dilution Antifungal Susceptibility Testing of Yeasts; Fourth Informational Supplement.
4. EUCAST. Antifungal clinical breakpoint tables for interpretation of MICs, Version 6.1, March 2013.
5. Antifungal MTS quality control data are not identical to CLSI specifications in all cases. MTS ranges at 48 hours are based on extensive data generated from in house testing.
6. Refer to MIC Test Strip Technical Sheet ESBL - MTS26.
7. Refer to MIC Test Strip Technical Sheet MBL - MTS27.
8. Refer to MIC Test Strip Technical Sheet GRD - MTS28.
9. Refer to MIC Test Strip Technical Sheet AmpC - MTS29.

Disclaimer

- The present **MIC Test Strip Interpretative Criteria and Quality Control** table might be out of date. Check on-line for the latest update: http://www.liofilchem.net/pdf/mic/tabella_interpretazione.pdf
- The present **MIC Test Strip Interpretative Criteria and Quality Control** table does not replace the official documents by CLSI and EUCAST.



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