

## Zone Diameter Interpretive Standards

Code	Antimicrobial Agent	Disk Content (µg)	Zone Diameter, Nearest Whole mm			Nonfastidious Quality Control		
			R	I	S	Escherichia coli ATCC 25922	Staphylococcus aureus ATCC 25923	Pseudomonas aeruginosa ATCC 27853
<b>PENICILLINS</b>								
AM	<b>Ampicillin</b>	10				16-22	27-35	-
	Enterobacteriaceae		≤12	14-16	≥17			
	Staphylococcus spp.		≤28	-	≥29			
	Enterococcus spp.		≤16	-	≥17			
	Haemophilus spp.		≤18	19-21	≥22			
	Streptococcus spp. Other Than S. pneumoniae (beta-hemolytic group)		≤18	19-25	≥26			
Vibrio cholerae		≤13	14-16	≥17				
MZ	<b>Mezlocillin</b>	75				23-29	-	19-25
	Enterobacteriaceae		≤17	18-20	≥21			
	Non-Enterobacteriaceae For <i>P.aeruginosa</i> For <i>Acinetobacter spp.</i>		≤15 ≤17	- 18-20	≥16 ≥21			
PIP	<b>Piperacillin</b>	100				24-30	-	25-33
	Enterobacteriaceae		≤17	18-20	≥21			
	Non-Enterobacteriaceae For <i>P.aeruginosa</i> For <i>Acinetobacter spp.</i>		≤17 ≤17	- 18-20	≥18 ≥21			
TIC	<b>Ticarcillin</b>	75				24-30	-	21-27
	Enterobacteriaceae		≤14	15-19	≥20			
	Non-Enterobacteriaceae For <i>P.aeruginosa</i> For <i>Acinetobacter spp.</i>		≤14 ≤14	- 15-19	≥15 ≥20			
CB	<b>Carbenicillin</b>	100				23-29	-	18-24
	Enterobacteriaceae		≤19	20-22	≥23			
	Non-Enterobacteriaceae For <i>P.aeruginosa</i> For <i>Acinetobacter spp.</i>		≤13 ≤19	14-16 20-22	≥17 ≥23			
MEC	<b>Mecillinam</b>	10				24-30	-	-
	Enterobacteriaceae		≤11	12-14	≥15			
AZ	<b>Azlocillin</b>	75				-	-	24-30
	Non-Enterobacteriaceae For <i>P.aeruginosa</i>		≤17	-	≥18			
P	<b>Penicillin</b>	10 units				-	26-37	-
	Staphylococcus spp.		≤28	-	≥29			
	Enterococcus spp.		≤14	-	≥15			
	Neisseria gonorrhoeae		≤26	27-46	≥47			
	Streptococcus pneumoniae		-	-	≥20			
	Streptococcus spp. Other Than S. pneumoniae (beta-hemolytic group)		≤19	20-27	≥28			
OX	<b>Oxacillin</b>	1				-	-	18-24
	Staphylococcus spp. For <i>S. aureus</i> For coagulase-negative staphylococci		≤10 ≤17	11-12 -	≥13 ≥18			

ME	Methicillin	5				-	17-22	-
	Staphylococcus spp		≤9	10-13	≥14			
NF	Nafcillin	1				-	16-22	-
	Staphylococcus spp.		≤10	11-12	≥13			
<b>b-LACTAM/b-LACTAMASE INHIBITOR COMBINATIONS</b>								
AMC	Amoxicillin-clavulanic acid	20/10				18-24	28-36	-
	Enterobacteriaceae		≤13	14-17	≥18			
	Staphylococcus spp.		≤19	-	≥20			
	Haemophilus spp		≤19	-	≥20			
SAM	Ampicillin-sulbactam	10/10				19-24	29-37	-
	Enterobacteriaceae		≤11	12-14	≥15			
	Non-Enterobacteriaceae		≤11	12-14	≥15			
	Staphylococcus spp.		≤11	12-14	≥15			
	Haemophilus spp		≤19	-	≥20			
PTZ	Piperacillin-tazobactam	100/10				24-30	27-36	25-33
	Enterobacteriaceae		≤17	18-20	≥21			
	Non-Enterobacteriaceae							
	For <i>P.aeruginosa</i>		≤17	-	≥18			
	For <i>Acinetobacter spp</i>		≤17	18-20	≥21			
TCC	Ticarcillin-clavulanic acid	75/10				24-30	29-37	20-28
	Enterobacteriaceae		≤14	15-19	≥20			
	Non-Enterobacteriaceae							
	For <i>P.aeruginosa</i>		≤14	-	≥15			
	For <i>Acinetobacter spp</i>		≤14	15-19	≥20			
	Staphylococcus spp.		≤22	-	≥23			
<b>CEPHEMS (PARENTERAL) (Including cephalosporins I, II, III, and IV.)</b>								
CZ	Cefazolin	30				21-27	29-35	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
CF	Cephalothin	30				15-21	29-37	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
CM	Cefamandole	30				26-32	26-34	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
CID	Cefonicid	30				25-29	22-28	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		≤16	17-19	≥20			
FEP	Cefepime	30				31-37	23-29	24-30
	Enterobacteriaceae		≤14	15-17	≥18			
	Non-Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		-	-	≥26			
	Neisseria gonorrhoeae		-	-	≥31			
	Streptococcus spp. Other Than <i>S. pneumoniae</i> (beta-hemolytic group) (viridans group)		- ≤21	- 22-23	≥24 ≥24			
CMZ	Cefmetazole	30				26-32	22-28	-
	Enterobacteriaceae		≤12	13-15	≥16			
	Staphylococcus spp.		≤12	13-15	≥16			
	Neisseria gonorrhoeae		≤27	28-32	≥33			

<b>CFP</b>	<b>Cefoperazone</b>	<b>75</b>				<b>28-34</b>	<b>24-33</b>	<b>23-29</b>
	Enterobacteriaceae		≤15	16-20	≥21			
	Non-Enterobacteriaceae		≤15	16-20	≥21			
	Staphylococcus spp.		≤15	16-20	≥21			
<b>CTT</b>	<b>Cefotetan</b>	<b>30</b>				<b>28-34</b>	<b>17-23</b>	<b>-</b>
	Enterobacteriaceae		≤12	13-15	≥16			
	Staphylococcus spp		≤12	13-15	≥16			
	S. pneumoniae		≤19	20-22	≥23			
	Neisseria gonorrhoeae		≤19	20-25	≥26			
<b>FOX</b>	<b>Cefoxitin</b>	<b>30</b>				<b>23-29</b>	<b>23-29</b>	<b>-</b>
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp		≤14	15-17	≥18			
	Neisseria gonorrhoeae		≤23	24-27	≥28			
<b>CTX</b>	<b>Cefotaxime</b>	<b>30</b>				<b>29-35</b>	<b>25-31</b>	<b>18-22</b>
	Enterobacteriaceae		≤14	15-22	≥23			
	Non-Enterobacteriaceae		≤14	15-22	≥23			
	Staphylococcus spp.		≤14	15-22	≥23			
	Haemophilus spp		-	-	≥26			
	Neisseria gonorrhoeae		-	-	≥31			
	Streptococcus spp. Other Than S. pneumoniae (beta-hemolytic group) (viridans group)		- ≤25	- 26-27	≥24 ≥28			
<b>FUR</b>	<b>Cefuroxime sodium (parenteral)</b>	<b>30</b>				<b>20-26</b>	<b>27-35</b>	<b>-</b>
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus sp		≤16	17-19	≥20			
	Neisseria gonorrhoeae		≤25	26-30	≥31			
<b>CRO</b>	<b>Ceftriaxone</b>	<b>30</b>				<b>29-35</b>	<b>22-28</b>	<b>17-23</b>
	Enterobacteriaceae		≤13	14-20	≥21			
	Non-Enterobacteriaceae		≤13	14-20	≥21			
	Staphylococcus spp.		≤13	14-20	≥21			
	Haemophilus spp		-	-	≥26			
	Neisseria gonorrhoeae		-	-	≥35			
	Streptococcus spp. Other Than S. pneumoniae (beta-hemolytic group) (viridans group)		- ≤24	- 25-26	≥24 ≥27			
<b>CT</b>	<b>Ceftizoxime</b>	<b>30</b>				<b>30-36</b>	<b>27-35</b>	<b>12-17</b>
	Enterobacteriaceae		≤14	15-19	≥20			
	Non-Enterobacteriaceae		≤14	15-19	≥20			
	Staphylococcus spp		≤14	15-19	≥20			
	Haemophilus spp		-	-	≥26			
	Neisseria gonorrhoeae		-	-	≥38			
<b>CAZ</b>	<b>Ceftazidime</b>	<b>30</b>				<b>25-32</b>	<b>16-20</b>	<b>22-29</b>
	Enterobacteriaceae		≤14	15-17	≥18			
	Non-Enterobacteriaceae For <i>B. cepacia</i>		≤14 ≤17	15-17 18-20	≥18 ≥21			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		-	-	≥26			
	Neisseria gonorrhoeae		-	-	≥31			
<b>MOX</b>	<b>Moxalactam</b>	<b>30</b>				<b>28-35</b>	<b>18-24</b>	<b>17-25</b>
	Enterobacteriaceae		≤14	15-22	≥23			
	Non-Enterobacteriaceae		≤14	15-22	≥23			
	Staphylococcus spp.		≤14	15-22	≥23			
<b>CEPHEMS (ORAL)</b>								
<b>ROX</b>	<b>Cefuroxime axetil (oral)</b>	<b>30</b>				<b>20-26</b>	<b>27-35</b>	<b>-</b>
	Enterobacteriaceae		≤14	15-22	≥23			
	Staphylococcus spp.		≤14	15-22	≥23			

	Haemophilus spp		≤16	17-19	≥20			
LOR	Loracarbef	30				23-29	23-31	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		≤15	16-18	≥19			
CCL	Cefaclor	30				23-27	27-31	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		≤16	17-19	≥20			
CDR	Cefdinir	5				24-28	25-32	-
	Enterobacteriaceae		≤16	17-19	≥20			
	Staphylococcus spp.		≤16	17-19	≥20			
	Haemophilus spp		-	-	≥20			
CFM	Cefixime	5				23-27	-	-
	Enterobacteriaceae		≤15	16-18	≥19			
	Haemophilus spp		-	-	≥21			
	Neisseria gonorrhoeae		-	-	≥31			
CPD	Cefpodoxime	10				23-28	19-25	-
	Enterobacteriaceae		≤17	18-20	≥21			
	Staphylococcus spp.		≤17	18-20	≥21			
	Haemophilus spp		-	-	≥21			
	Neisseria gonorrhoeae		-	-	≥29			
CPZ	Cefprozil	30				21-27	27-33	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		≤14	15-17	≥18			
FET	Cefetamet	10				24-29	-	-
	Enterobacteriaceae		≤14	15-17	≥18			
	Haemophilus spp		≤14	15-17	≥18			
	Neisseria gonorrhoeae		-	-	≥29			
CTB	Ceftibuten	30				27-35	-	-
	Enterobacteriaceae		≤17	18-20	≥21			
	Haemophilus spp		-	-	≥28			
<b>CARBAPENEMS</b>								
ETP	Ertapenem	10				29-36	24-31	13-21
	Enterobacteriaceae		≤15	16-18	≥19			
	Staphylococcus spp.		≤15	16-18	≥19			
	Haemophilus spp		-	-	≥19			
IPM	Imipenem	10				26-32	-	20-28
	Enterobacteriaceae		≤13	14-15	≥16			
	Non-Enterobacteriaceae		≤13	14-15	≥16			
	Staphylococcus spp.		≤13	14-15	≥16			
	Haemophilus spp		-	-	≥16			
MEN	Meropenem	10				28-34	29-37	27-33
	Enterobacteriaceae		≤13	14-15	≥16			
	Non-Enterobacteriaceae		≤13	14-15	≥16			
	For <i>B. cepacia</i>		≤15	16-19	≥20			
	Staphylococcus spp.		≤13	14-15	≥16			
Haemophilus spp		-	-	≥20				
<b>MONOBACTAMS</b>								
AZT	Aztreonam	30				28-36	-	23-29
	Enterobacteriaceae		≤15	16-21	≥22			
	Non-Enterobacteriaceae		≤15	16-21	≥22			
	Haemophilus spp		-	-	≥26			
<b>GLYCOPEPTIDES</b>								

<b>V</b>	<b>Vancomycin</b>	<b>30</b>				-	17-21	-
	Staphylococcus spp		-	-	≥15			
	Enterococcus spp.		≤14	15-16	≥17			
	Streptococcus pneumoniae		-	-	≥17			
	Streptococcus spp. Other Than S. pneumoniae		-	-	≥17			
<b>TPN</b>	<b>Teicoplanin</b>	<b>30</b>				-	15-21	-
	Staphylococcus spp		≤10	11-13	≥14			
	Enterococcus spp.		≤10	11-13	≥14			
<b>AMINOGLYCOSIDES</b>								
<b>GM</b>	<b>Gentamicin</b>	<b>10</b>				19-26	19-27	16-21
	Enterobacteriaceae		≤12	13-14	≥15			
	Non-Enterobacteriaceae		≤12	13-14	≥15			
	Staphylococcus spp		≤12	13-14	≥15			
<b>AN</b>	<b>Amikacin</b>	<b>30</b>				19-26	20-26	18-26
	Enterobacteriaceae		≤14	15-16	≥17			
	Non-Enterobacteriaceae		≤14	15-16	≥17			
	Staphylococcus spp		≤14	15-16	≥17			
<b>K</b>	<b>Kanamycin</b>	<b>30</b>				17-25	19-26	-
	Enterobacteriaceae		≤13	14-17	≥18			
	Staphylococcus spp		≤13	14-17	≥18			
<b>NET</b>	<b>Netilmicin Sulphate (Netillin)</b>	<b>30</b>				22-30	22-31	17-23
	Enterobacteriaceae		≤12	13-14	≥15			
	Non-Enterobacteriaceae		≤12	13-14	≥15			
	Staphylococcus spp		≤12	13-14	≥15			
<b>TOB</b>	<b>Tobramycin</b>	<b>10</b>				18-26	19-29	19-25
	Enterobacteriaceae		≤12	13-14	≥15			
	Non-Enterobacteriaceae		≤12	13-14	≥15			
	Staphylococcus spp		≤12	13-14	≥15			
<b>S</b>	<b>Streptomycin</b>	<b>10</b>				12-20	14-22	-
	Enterobacteriaceae		≤11	12-14	≥15			
<b>AMINOCYCLITOLS</b>								
<b>SPT</b>	<b>Spectinomycin</b>	<b>100</b>				-	-	-
	Neisseria gonorrhoeae		≤14	15-17	≥18			
<b>MACROLIDES</b>								
<b>AZM</b>	<b>Azithromycin</b>	<b>15</b>				-	21-26	-
	Staphylococcus spp		≤13	14-17	≥18			
	Haemophilus spp		-	-	≥12			
	Streptococcus pneumoniae		≤13	14-17	≥18			
	Streptococcus spp. Other Than S. pneumoniae		≤13	14-17	≥18			
<b>CLR</b>	<b>Clarithromycin</b>	<b>15</b>				-	26-32	-
	Staphylococcus spp		≤13	14-17	≥18			
	Haemophilus spp		≤10	11-12	≥13			
	Streptococcus pneumoniae		≤16	17-20	≥21			
	Streptococcus spp. Other Than S. pneumoniae		≤16	17-20	≥21			
<b>E</b>	<b>Erythromycin</b>	<b>15</b>				-	22-30	-
	Staphylococcus spp		≤13	14-22	≥23			
	Enterococcus spp.		≤13	14-22	≥23			
	Streptococcus pneumoniae		≤15	16-20	≥21			
	Streptococcus spp. Other Than S. pneumoniae		≤15	16-20	≥21			

DT	<b>Dirithromycin</b>	15				-	18-26	-
	Staphylococcus spp		≤15	16-18	≥19			
	Streptococcus pneumonia		≤13	14-17	≥18			
	Streptococcus spp. Other Than S. pneumoniae		≤13	14-17	≥18			
<b>KETOLIDES</b>								
TEL	<b>Telithromycin</b>	15				-	24-30	-
	Staphylococcus spp		≤18	19-21	≥22			
	Haemophilus spp		≤11	12-14	≥15			
	Streptococcus pneumoniae		≤15	16-18	≥19			
<b>TETRACYCLINES</b>								
TE	<b>Tetracycline</b>	30				18-25	24-30	-
	Enterobacteriaceae		≤14	15-18	≥19			
	Non-Enterobacteriaceae		≤14	15-18	≥19			
	Staphylococcus spp		≤14	15-18	≥19			
	Enterococcus spp.		≤14	15-18	≥19			
	Haemophilus spp		≤25	26-28	≥29			
	Neisseria gonorrhoeae		≤30	31-37	≥38			
	Streptococcus pneumoniae		≤18	19-22	≥23			
	Streptococcus spp. Other Than S. pneumoniae		≤18	19-22	≥23			
Vibrio cholerae		≤14	15-18	≥19				
D	<b>Doxycycline</b>	30				18-24	23-29	-
	Enterobacteriaceae		≤12	13-15	≥16			
	Non-Enterobacteriaceae		≤12	13-15	≥16			
	Staphylococcus spp		≤12	13-15	≥16			
	Enterococcus spp.		≤12	13-15	≥16			
MIN	<b>Minocycline</b>	30				19-25	25-30	-
	Enterobacteriaceae		≤14	15-18	≥19			
	Non-Enterobacteriaceae		≤14	15-18	≥19			
	Staphylococcus spp		≤14	15-18	≥19			
	Enterococcus spp.		≤14	15-18	≥19			
<b>FLUOROQUINOLONES</b>								
CP	<b>Ciprofloxacin</b>	5				30-40	22-30	25-33
	Enterobacteriaceae		≤15	16-20	≥21			
	Non-Enterobacteriaceae		≤15	16-20	≥21			
	Staphylococcus spp		≤15	16-20	≥21			
	Enterococcus spp.		≤15	16-20	≥21			
	Haemophilus spp		-	-	≥21			
	Neisseria gonorrhoeae		≤27	28-40	≥41			
LEV	<b>Levofloxacin</b>	5				29-37	25-30	19-26
	Enterobacteriaceae		≤13	14-16	≥17			
	Non-Enterobacteriaceae		≤13	14-16	≥17			
	Staphylococcus spp		≤15	16-18	≥19			
	Enterococcus spp.		≤13	14-16	≥17			
	Haemophilus spp		-	-	≥17			
	Streptococcus pneumoniae		≤13	14-16	≥17			
	Streptococcus spp. Other Than S. pneumoniae		≤13	14-16	≥17			
GAT	<b>Gatifloxacin</b>	5				30-37	27-33	20-28
	Enterobacteriaceae		≤14	15-17	≥18			
	Non-Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp		≤19	20-22	≥23			
	Enterococcus spp.		≤14	15-17	≥18			
	Haemophilus spp		-	-	≥18			
	Neisseria gonorrhoeae		≤33	34-37	≥38			
	Streptococcus pneumoniae		≤17	18-20	≥21			
	Streptococcus spp. Other Than S. pneumoniae		≤17	18-20	≥21			

<b>MXF</b>	<b>Moxifloxacin</b>	<b>5</b>				<b>28-35</b>	<b>28-35</b>	<b>17-25</b>
	Staphylococcus spp		≤20	21-23	≥24			
	Haemophilus spp		-	-	≥18			
	Streptococcus pneumoniae		≤14	15-17	≥18			
<b>GEM</b>	<b>Gemifloxacin</b>	<b>5</b>				<b>29-36</b>	<b>27-33</b>	<b>19-25</b>
	Enterobacteriaceae		≤15	16-19	≥20			
	Haemophilus spp		-	-	≥18			
	Staphylococcus spp		≤15	16-19	≥20			
	Streptococcus pneumoniae		≤19	20-22	≥23			
<b>LOM</b>	<b>Lomefloxacin</b>	<b>10</b>				<b>27-33</b>	<b>23-29</b>	<b>22-28</b>
	Enterobacteriaceae		≤18	19-21	≥22			
	Non-Enterobacteriaceae		≤18	19-21	≥22			
	Staphylococcus spp		≤18	19-21	≥22			
	Haemophilus spp		-	-	≥22			
	Neisseria gonorrhoeae		≤26	27-37	≥38			
<b>NOR</b>	<b>Norfloxacin</b>	<b>10</b>				<b>28-35</b>	<b>17-28</b>	<b>22-29</b>
	Enterobacteriaceae		≤12	13-16	≥17			
	Non-Enterobacteriaceae		≤12	13-16	≥17			
	Staphylococcus spp		≤12	13-16	≥17			
	Enterococcus spp.		≤12	13-16	≥17			
<b>OFX</b>	<b>Ofloxacin</b>	<b>5</b>				<b>29-33</b>	<b>24-28</b>	<b>17-21</b>
	Enterobacteriaceae		≤12	13-15	≥16			
	Non-Enterobacteriaceae		≤12	13-15	≥16			
	Staphylococcus spp		≤12	13-15	≥16			
	Haemophilus spp		-	-	≥16			
	Neisseria gonorrhoeae		≤24	25-30	≥31			
	Streptococcus pneumoniae		≤12	13-15	≥16			
	Streptococcus spp. Other Than S. pneumoniae		≤12	13-15	≥16			
	<b>ENX</b>	<b>Enoxacin</b>	<b>10</b>				<b>28-36</b>	<b>22-28</b>
Enterobacteriaceae			≤14	15-17	≥18			
Staphylococcus spp			≤14	15-17	≥18			
Neisseria gonorrhoeae			≤31	32-35	≥36			
<b>TRV</b>	<b>Trovafloxacin</b>	<b>10</b>				<b>29-36</b>	<b>29-35</b>	<b>21-27</b>
	Haemophilus spp		-	-	≥22			
	Neisseria gonorrhoeae		-	-	≥34			
	Streptococcus pneumoniae		≤15	16-18	≥19			
	Streptococcus spp. Other Than S. pneumoniae		≤15	16-18	≥19			
<b>SPX</b>	<b>Sparfloxacin</b>	<b>5</b>				<b>30-38</b>	<b>27-33</b>	<b>21-29</b>
	Staphylococcus spp		≤15	16-18	≥19			
	Streptococcus pneumoniae		≤15	16-18	≥19			
<b>GRE</b>	<b>Grepafloxacin</b>	<b>5</b>				<b>28-36</b>	<b>26-31</b>	<b>20-27</b>
	Enterobacteriaceae		≤14	15-17	≥18			
	Staphylococcus spp		≤14	15-17	≥18			
	Haemophilus spp		-	-	≥24			
	Neisseria gonorrhoeae		≤27	28-36	≥37			
	Streptococcus pneumoniae		≤15	16-18	≥19			
	Streptococcus spp. Other Than S. pneumoniae		≤15	16-18	≥19			
<b>FLE</b>	<b>Fleroxacin</b>	<b>5</b>				<b>28-34</b>	<b>21-27</b>	<b>12-20</b>
	Enterobacteriaceae		≤15	16-18	≥19			
	Staphylococcus spp		≤15	16-18	≥19			
	Haemophilus spp		-	-	≥19			
	Neisseria gonorrhoeae		≤28	29-34	≥35			
<b>QUINOLONES</b>								
<b>CIN</b>	<b>Cinoxacin</b>	<b>100</b>				<b>26-32</b>	<b>-</b>	<b>-</b>
	Enterobacteriaceae		≤14	15-18	≥19			
<b>NA</b>	<b>Nalidixic acid</b>	<b>30</b>				<b>22-28</b>	<b>-</b>	<b>-</b>

	Enterobacteriaceae		≤13	14-18	≥19			
<b>FOLATE PATHWAY INHIBITORS</b>								
<b>SXT</b>	<b>Trimethoprim-sulfamethoxazole</b>	1.25/ 23.75				23-29	24-32	-
	Enterobacteriaceae		≤10	11-15	≥16			
	Non-Enterobacteriaceae		≤10	11-15	≥16			
	Staphylococcus spp		≤10	11-15	≥16			
	Haemophilus spp		≤10	11-15	≥16			
	Streptococcus pneumoniae		≤15	16-18	≥19			
	Vibrio cholerae		≤10	11-15	≥16			
<b>SSS</b>	<b>Sulfonamides</b>	250 or 300				-	-	-
	Enterobacteriaceae		≤12	13-16	≥17			
	Non-Enterobacteriaceae		≤12	13-16	≥17			
	Staphylococcus spp		≤12	13-16	≥17			
	Vibrio cholerae		≤12	13-16	≥17			
<b>TMP</b>	<b>Trimethoprim</b>	5				21-28	19-26	-
	Enterobacteriaceae		≤10	11-15	≥16			
	Staphylococcus spp		≤10	11-15	≥16			
<b>PHENICOLS</b>								
<b>C</b>	<b>Chloramphenicol</b>	30				21-27	19-26	-
	Enterobacteriaceae		≤12	13-17	≥18			
	Non-Enterobacteriaceae		≤12	13-17	≥18			
	Staphylococcus spp		≤12	13-17	≥18			
	Enterococcus spp		≤12	13-17	≥18			
	Haemophilus spp		≤25	26-28	≥29			
	Streptococcus pneumoniae		≤20	-	≥21			
	Streptococcus spp. Other Than S. pneumonia		≤17	18-20	≥21			
	Vibrio cholerae		≤12	13-17	≥18			
<b>NITROFURANTOINS</b>								
<b>FM</b>	<b>Nitrofurantoin</b>	300				20-25	18-22	-
	Enterobacteriaceae		≤14	15-16	≥17			
	Staphylococcus spp		≤14	15-16	≥17			
	Enterococcus spp.		≤14	15-16	≥17			
<b>FOSFOMYCINS</b>								
<b>FOS</b>	<b>Fosfomycin</b>	200				22-30	25-33	-
	Enterobacteriaceae		≤12	13-15	≥16			
	Enterococcus spp.		≤12	13-15	≥16			The 200-µg fosfomycin disk contains 50 µg of glucose-6-phosphate
<b>LINCOSAMIDES</b>								
<b>CC</b>	<b>Clindamycin</b>	2				-	24-30	-
	Staphylococcus spp		≤14	15-20	≥21			
	Streptococcus pneumoniae		≤15	16-18	≥19			
	Streptococcus spp. Other Than S. pneumoniae		≤15	16-18	≥19			
<b>ANSAMYCINS</b>								
<b>RA</b>	<b>Rifampin (Rifampicin)</b>	5				8-10	26-34	-
	Staphylococcus spp		≤16	17-19	≥20			
	Enterococcus spp.		≤16	17-19	≥20			
	Haemophilus spp		≤16	17-19	≥20			
	Streptococcus pneumoniae		≤16	17-18	≥19			



STREPTOGRAMINS								
QDA	Quinupristin-dalfopristin	15				-	21-28	-
	Staphylococcus spp		≤15	16-18	≥19			
	Enterococcus spp.		≤15	16-18	≥19			
	Streptococcus pneumoniae		≤15	16-18	≥19			
	Streptococcus spp. Other Than S. pneumoniae		≤15	16-18	≥19			
OXAZOLIDINONES								
LNZ	Linezolid	30				-	25-32	-
	Staphylococcus spp		-	-	≥21			
	Enterococcus spp.		≤20	21-22	≥23			
	Streptococcus pneumoniae		-	-	≥21			
	Streptococcus spp. Other Than S. pneumoniae		-	-	≥21			

Disk Diffusion Screening Tests for High-Level Aminoglycoside Resistance (HLAR)						
Code	Antimicrobial Agent	Disk Content	Zone Diameter, Nearest Whole mm			Comments
			R	I	S	
GM	Gentamicin (HLAR)	120µg				For control limits of gentamicin 120-µg and streptomycin 300-µg disks, use Enterococcus faecalis ATCC® 29212 (gentamicin: 16 to 23 mm; streptomycin: 14 to 20mm).
	Enterococcus spp.		6	7-9	≥10	
S	Streptomycin (HLAR)	300µg				
	Enterococcus spp.		6	7-9	≥10	

References:

- 1- Bauer, Kirby, Sherris & Turch 1966 Am. J. clin. Path. 45: 493.
- 2- Performance Standards for Antimicrobial Disk Susceptibility Tests, CLSI Vol. 28 No. 1, Jan. 2008.  
For more details refer to this volume.