

جداول میکروار گانیسم های بیماریزای اولویت دار و آنتی بیوتیک های تعیین شده برای آزمایش تعیین حساسیت ضد میکروبی در برنامه مهار مقاومت ميكروبي

ويرايش چهارم بر اساس CLSI M100 29th ed., 2019

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Escherichia coli									
Antimicrobial Agent	Disk Content	Inter	Zone Diameter Interpretive Criteria (nearest whole mm)		Comments				
		S	Ι	R					
PENICILLINS									
Ampicillin	10 µg	≥17	14–16	≤13	Results of ampicillin testing can be used to predict results for amoxicillin.				
CEPHEMS				1					
Cefazolin (PARENTERAL)	30 µg	≥23	20–22	≤ 19	Breakpoints when cefazolin is used for therapy of infections other than uncomplicated UTIs due to <i>E.coli</i> , <i>K.</i> <i>pneumoniae</i> & <i>P.mirabilis</i> . Breakpoints are based on a dosage regimen of 2 g administered every 8 h.				
Cefazolin (PARENTERAL) (urine)	30 µg	≥15	-	≤ 14	Breakpoints when cefazolin is used for therapy of uncomplicated UTIs due to <i>E.coli</i> , <i>K pneumoniae & P.mirabilis</i> . Breakpoints are based on a dosage regimen of 1 g administered every 12 h.				
Cefazolin (ORAL) (surrogate test for oral cephalosporins & uncomplicated UTI) (urine)	30 µg	≥ 15	-	≤ 14	 (a) Breakpoints are for cefazolin when cefazolin results are used to predict results for the oral agents cefaclor, cefdinir, cefpodoxime, cefprozil, cefuroxime, cephalexin, and loracarbef when used for therapy of uncomplicated UTIs due to <i>E. coli, K. pneumoniae</i>, and <i>P. mirabilis</i>. (b) Cefazolin as a surrogate may overcall resistance to cefdinir, cefpodoxime, and cefuroxime. If cefazolin tests resistant, test these drugs individually if needed for therapy. 				
Cefepime	30 µg	≥ 25	19–24	≤ 18	The breakpoint for susceptible is based on a dosage regimen of 1 g administered every 12 h. The Breakpoint for SDD* is based on dosing regimens that result in higher cefepime exposure, either higher doses or more frequent doses or both, up to approved maximum dosing regimens. *SDD: Susceptible-Dose Dependent				
Cefotaxime	30 µg	≥ 26	23–25	≤ 22	Breakpoints are based on a dosage regimen of 1 g administered every 8 h for cefotaxime.				



Escherichia coli (continued)									
Ceftriaxone	30 µg	≥23	20–22	≤19	Breakpoints are based on a dosage regimen of 1 g administered every 24 h for ceftriaxone.				
Ceftazidime	30 µg	≥21	18–20	≤17	Breakpoints are based on a dosage regimen of 1 g administered every 8 h.				
CARBAPENEMS									
Imipenem or/and Meropenem	10 μg 10 μg	≥ 23 ≥ 23	20–22 20–22	≤ 19 ≤ 19	 (a) Imipenem: Breakpoints are based on a dosage regimen of 500 mg administered every 6 h or 1 g every 8 h. (b) Meropenem: Breakpoints are based on a dosage regimen of 1 g administered every 8 h. 				
AMINOGLYCOSIDES	•								
Gentamicin	10 µg	≥15	13-14	≤12					
Amikacin	30 µg	≥17	15–16	≤14					
FLUOROQUINOLONES									
Ciprofloxacin	5 µg	≥ 2 6	22-25	≤21	Breakpoints for ciprofloxacin are based on a dosage regimen of 400 mg IV or 500 mg orally administered every 12 h.				
FOLATE PATHWAY INHIBITO	RS								
Trimethoprim- sulfamethoxazole	1.25/ 23.75 μg	≥16	11–15	≤10					
NITROFURANS									
Nitrofurantoin	300 µg	≥17	15–16	≤14	For testing and reporting urinary tract isolates only.				



Klebsiella pneumoniae	<i>?</i>				
Antimicrobial Agent	Disk Content	Inter	one Diamet pretive Cr rest whole	iteria	Comments
		S	Ι	R	
CEPHEMS					
Cefazolin (PARENTERAL)	30 µg	≥23	20–22	≤ 19	Breakpoints when cefazolin is used for therapy of infections other than uncomplicated UTIs due to <i>E.coli</i> , <i>K</i> <i>pneumoniae</i> & <i>P.mirabilis</i> . Breakpoints are based on a dosage regimen of 2 g administered every 8 h.
Cefazolin (PARENTERAL) (urine)	30 µg	≥15	-	≤ 14	Breakpoints when cefazolin is used for therapy of uncomplicated UTIs due to <i>E.coli</i> , <i>K pneumoniae</i> & <i>P.mirabilis</i> . Breakpoints are based on a dosage regimen of 1 g administered every 12 h.
Cefazolin (ORAL) (surrogate test for oral cephalosporins & uncomplicated UTI) (urine)	30 µg	≥ 15	-	≤ 14	 (a) Breakpoints are for cefazolin when cefazolin results are used to predict results for the oral agents cefaclor, cefdinir, cefpodoxime, cefprozil, cefuroxime, cephalexin, and loracarbef when used for therapy of uncomplicated UTIs due to <i>E. coli, K. pneumoniae,</i> and <i>P. mirabilis.</i> (b) Cefazolin as a surrogate may overcall resistance to cefdinir, cefpodoxime, and cefuroxime. If cefazolin tests resistant, test these drugs individually if needed for therapy.
Cefepime	30 µg	≥ 25	19–24	≤ 18	The Breakpoint for susceptible is based on a dosage regimen of 1 g every 12 h. The Breakpoint for SDD* is based on dosing regimens that result in higher cefepime exposure, either higher doses or more frequent doses or both, up to approved maximum dosing regimens. *SDD: Susceptible-Dose Dependent
Cefotaxime	30 µg	≥26	23–25	≤ 22	Breakpoints are based on a dosage regimen of 1 g administered every 8 h for cefotaxime.



Klebsiella pneumonia	(continu	ed)			
Ceftriaxone	30 µg	≥23	20-22	≤19	Breakpoints are based on a dosage
					regimen of 1 g administered every 24 h
					for ceftriaxone.
Ceftazidime	30 µg	≥ 21	18-20	≤ 17	Breakpoints are based on a dosage
					regimen of 1 g administered every 8 h.
CARBAPENEMS					
Imipenem	10 µg	\geq 23	20-22	≤1 9	(a) Imipenem: Breakpoints are based on
or/and Meropenem	10 µg	\geq 23	20-22	≤19	a dosage regimen of 500 mg
					administered every 6 h or 1 g every 8 h.
					(b) Meropenem:Interpretive criteria are
					based on a dosage regimen of 1 g
					administered every 8 h.
AMINOGLYCOSIDES	1	1		1	
Gentamicin	10 µg	≥15	13-14	≤ 12	
Amikacin	30 µg	≥17	15–16	≤14	
FLUOROQUINOLONES		> 26	22.25	< 0.1	
Ciprofloxacin	5 µg	≥26	22-25	≤ 21	Breakpoints for ciprofloxacin are
					based on a dosage regimen of 400 mg
					IV or 500 mg orally administered
	TODE				every 12 h.
FOLATE PATHWAY INHIB		> 1	11 15	< 10	
Trimethoprim-	1.25/ 23.75	≥16	11–15	≤ 10	
sulfamethoxazole	μg			L	
NITROFURANS	200	> 17	15 16	< 1.4	
Nitrofurantoin	300 µg	≥17	15–16	≤ 14	For testing and reporting urinary tract
					isolates only.



*When fecal isolates of *Salmonella* are tested, only ampicillin, a fluoroquinolone, and trimethoprimsulfamethoxazole should be reported routinely. In addition, for extraintestinal isolates of *Salmonella* spp., a third-generation cephalosporin and chloramphenicol should be tested and reported.

Salmonella spp.									
Antimicrobial Agent	Disk Content	Inter	Zone Diameter Interpretive Criteria (nearest whole mm)		Comments				
		S	Ι	R					
PENICILLINS			<u> </u>	1					
Ampicillin	10 µg	≥17	14–16	≤13	Results of ampicillin testing can be used to predict results for amoxicillin.				
CEPHEMS									
Ceftriaxone (For extraintestinal isolate)	30 µg	≥23	20–22	≤19	Breakpoints are based on a dosage regimen of 1 g administered every 24 h for ceftriaxone				
Ceftazidime (For extraintestinal isolate)	30 µg	≥21	18–20	≤17	Breakpoints are based on a dosage regimen of 1 g administered every 8 h.				
FLUOROQUINOLONES	-								
Ciprofloxacin	5 µg	≥ 31	21-30	≤ 20	Isolates of <i>Salmonella</i> spp. that test not susceptible to ciprofloxacin, levofloxacin, ofloxacin, or pefloxacin may be associated with clinical failure or delayed response in fluoroquinolone- treated patients with salmonellosis.				
FOLATE PATHWAY INH		r	ſ	1					
Trimethoprim- sulfamethoxazole PHENICOLS	1.25/ 23.75 μg	≥16	11–15	≤ 10					
Chloramphenicol	30 µg	≥ 18	13–17	≤ 12					



*When fecal isolates of *Shigella* spp. are tested, only ampicillin, a fluoroquinolone, and trimethoprim-sulfamethoxazole should be reported routinely.

Shigella spp.								
Antimicrobial Agent	Disk Content	Zone Diameter Interpretive Criteria (nearest whole mm)			Comments			
		S	Ι	R				
PENICILLINS	•			1				
Ampicillin	10 µg	≥17	14–16	≤13	Results of ampicillin testing can be used to predict results for amoxicillin.			
CEPHEMS								
Ceftriaxone (Only for ciprofloxacin resistant strain)	30 µg	≥23	20–22	≤19	Breakpoints are based on a dosage regimen of 1 g administered every 24 h for ceftriaxone			
Ceftazidime (Only for ciprofloxacin resistant strain)	30 µg	≥21	18–20	≤17	Breakpoints are based on a dosage regimen of 1 g administered every 8 h.			
FLUOROQUINOLONES								
Ciprofloxacin	5 µg	≥ 26	22-25	≤ 21	Breakpoints for ciprofloxacin are based on a dosage regimen of 400 mg IV or 500 mg orally administered every 12 h.			
FOLATE PATHWAY INH	IBITORS							
Trimethoprim- sulfamethoxazole	1.25/ 23.75 μg	≥16	11–15	≤ 10				



	Salmonella spp and Shigella spp.			
Test	Criteria for Performance of ESBL Test	ESBL Test		
Antimicrobial concentration	Cefpodoxime 10 μg or Ceftazidime 30 μg or Aztreonam 30 μg or Cefotaxime 30 μg or Ceftriaxone 30 μg (Using more than one antimicrobial agent improves the sensitivity of ESBL detection.)	Ceftazidime 30 μg Ceftazidime-clavulanatea 30/10 μg and 30 μg Cefotaxime 30 μg Cefotaxime-clavulanate 30/10 μg (Testing necessitates using both cefotaxime and ceftazidime, alone and in combination with clavulanate.)		
Results	Cefpodoxime zone ≤ 17 mm Ceftazidime zone ≤ 22 mm Aztreonam zone ≤ 27 mm Cefotaxime zone ≤ 27 mm Ceftriaxone zone ≤ 25 mm Zones above may production. ESBL	$A \ge 5mm$ increase in a zone diameter for either antimicrobial agent tested in combination with clavulanate vs the zone diameter of the agent when tested alone = ESBL (eg, ceftazidime zone = 165 ceftazidime-clavulanate zone = 21).		
Reporting		For all confirmed ESBL-producing strains:If laboratories do not use current cephalosporin and aztreonam breakpoints the test interpretation should be reported as resistant for all penicillins cephalosporins, and aztreonam.If laboratories use current cephalosporing and aztreonam breakpoints, then test interpretations for these agents do not need to be changed from susceptible to resistant.		



Pseudomonas aeru	ginosa				
Antimicrobial Agent	Disk Content	Zone Diameter Interpretive Criteria (nearest whole mm)		iteria	Comments
		S	Ι	R	
β-LACTAM/β-LACTAMA	SE INHIBIT	OR CO	MBINATI	ONS	
Piperacillin-tazobactam	100/10 µg	≥21	15–20	≤ 14	Breakpoints for piperacillin (alone or with tazobactam) are based on a piperacillin dosage regimen of at least 3 g administtered every 6 h.
CEPHEMS		I			
Cefepime	30 µg	≥18	15-17	≤14	Breakpoints are based on a dosage regimen of 1 g administtered every 8 h or 2 g administtered every 12 h.
Ceftazidime	30 µg	≥18	15-17	≤14	Breakpoints are based on a dosage regimen of 1 g administtered every 6 h or 2 g administtered every 8 h.
CARBAPENEMS					
Imipenem	10 µg	≥19	16-18	≤15	Breakpoints for imipenem are based on a dosage regimen of 1 g administtered every 8 h or 500 mg administtered every 6 h.
Meropenem	10 µg	≥19	16-18	≤15	Breakpoints for meropenem are based on a dosage regimen of 1 g administtered every 8 h.
AMINOGLYCOSIDES		1	I	1	
Gentamicin	10 µg	≥15	13-14	≤ 12	
Tobramycin	10 µg	≥15	13-14	≤ 12	
Amikacin	30 µg	≥17	15–16	≤14	
LIPOPEPTID	1	1			1
Colistin	-	-	_	-	(a) Colistin (methanesulfonate) should generally be administered with a loading dose and at the maximum recommended doses, in combination with other agents.(b) The only approved MIC method for testing is broth microdilution. Disk diffusion and gradient diffusion methods such as "E- test" should not be performed.MIC Interpretive Criteria $(\mu g/m L)$ SIR ≤ 2 - ≥ 4



Pseudomonas aeruginosa (continued)									
FLUOROQUINOLONES									
Ciprofloxacin	5 µg	≥25	19-24	≤18	Breakpoints are based on a dosage regimen of 400 mg IV administered every 8 h.				



Acinetobacter spp.					
Antimicrobial Agent	Disk Content	Inter	one Diamet pretive Cr rest whole	iteria	Comments
		S	Ι	R	
β-LACTAM/β-LACTAMA	SE INHIBIT	OR CO	MBINATI	ONS	
Ampicillin-sulbactam	10/10 µg	≥15	12-14	≤11	
Piperacillin-tazobactam	100/10 µg	≥21	18–20	≤17	
CEPHEMS					
Cefepime	30 µg	≥18	15-17	≤14	
Ceftazidime	30 µg	≥18	15-17	≤14	
CARBAPENEMS	-	-	-	-	
Imipenem	10 µg	≥ 22	19-21	≤18	Breakpoints are based on a dosage regimen of 500 mg administered every 6 h.
Meropenem	10 µg	≥18	15-17	≤14	Breakpoints are based on a dosage regimen of 1 g administered every 8 h or 500 mg administered every 6 h.
AMINOGLYCOSIDES			•		
Gentamicin	10 µg	≥15	13-14	≤ 12	
Tobramycin	10 µg	≥15	13-14	≤ 12	
Amikacin	30 µg	≥17	15–16	≤14	
TETRACYCLINES				•	•
Minocycline	30 µg	≥16	13–15	≤ 12	
LIPOPEPTID					
Colistin		-		_	(a) Colistin (methanesulfonate) should generally be administered with a loading dose and at the maximum recommended doses, in combination with other agents. (b) Applies to <i>A. baumannii</i> complex only. (c) The only approved MIC method for testing is broth microdilution. Disk diffusion and gradient diffusion methods such as "E- test" should not be performed. MIC Interpretive Criteria $(\mu g/mL)$ S I R ≤ 2 - ≥ 4



Acinetobacter spp. (continued)								
FLUOROQUINOLONES								
Ciprofloxacin	5 µg	≥21	16–20	≤15				
FOLATE PATHWAY INH	IBITORS							
Trimethoprim-	1.25/23.75	≥16	11-15	≤ 10				
sulfamethoxazole	μg							



Staphylococcus aureus									
Antimicrobial Agent	Disk Content	Zone Diameter Interpretive Criteria (nearest whole mm)			Comments				
		S	Ι	R					
PENICILLINASE-LABILI	E PENICILL	INS	<u> </u>	1					
Penicillin	10 units	≥ 29		≤28	(a) Penicillin should be used to test the susceptibility of all staphylococci to all penicillinase- labile penicillins. Penicillin- resistant strains of staphylococci produce β -lactamase. Perform test(s) to detect β -lactamase production on staphylococci for which the penicillin MICs are \leq 0.12 µg/mL or zone diameters \geq 29 mm before reporting the isolate as penicillin susceptible. Rare isolates of staphylococci that contain genes for β -lactamase production may appear negative by β -lactamase tests. Consequently, for serious infections requiring penicillin therapy, laboratories should perform MIC tests and β -lactamase testing on all subsequent isolates from the same patient. PCR testing of the isolate for the <i>blaZ</i> β - lactamase gene may be considered. See Tables 3D and 3E. (b) For oxacillin-resistant staphylococci report penicillin as resistant or do not report.				



Oxacillin (Oxacillin disk testing is													
PENICILLINASE-STAR Oxacillin (Oxacillin disk testing is	BLE PENICI 30 μg	LLINS											
Oxacillin (Oxacillin disk testing is	30 µg		PENICILLINASE-STABLE PENICILLINS										
not reliable for <i>S. aureus</i> and <i>S. lugdunensis.</i>)	(surrogate test for oxacillin)	(cefoxitin)		≤ 21 (cefoxitin)	 (a) Cefoxitin is tested as a surrogate for oxacillin for some species of <i>Staphylococcus</i>. Isolates that test resistant by cefoxitin or oxacillin, when using the appropriate test method for the species, should be reported as oxacillin resistant. If testing only cefoxitin, report oxacillin susceptible or resistant based on the cefoxitin result. Isolates that test either <i>mecA</i> negative or cefoxitin susceptible should be reported as oxacillin susceptible should be reported as oxacillin susceptible. (b) For isolates of <i>S.aureus</i> that do not grow well on CAMHB* or unsupplemented MHA (eg, small-colony variants), testing on other media (eg, BMHA) does not reliably detect <i>mecA</i>-mediated resistance. Testing for PBP2a using induced growth (ie, growth taken from the zone margin surrounding a cefoxitin disk on either BMHA or a blood agar plate after 24 hours incubation in 5% CO₂) or <i>mecA</i> should be done. 								
					*Cation Adgusted Mueller Hinton Agar								



						چسوست	المتسحاه سلبه
Staphylococcus au	reus (cont	tinued	l)				
GLYCOPEPTIDES							
Vancomycin Vancomycin Teicoplanin (Optional) (Investigation)	-	-	-	-	susceptible vancomycin course of pr (b) MIC te to determin isolates vancomycin differentiate susceptible from v isolates, differentiate susceptible -resistant <i>Staphyloco</i> <i>S. aureus</i> size zones of (c) Send a the vancom reference la MIC In <u>S</u> ≤ 2	isolates of vancomycin-i nor does e among -intermed isolate ccus spp. a all of which of inhibition. ny S. aureus nycin is ≥ 8	ay become e during the apy. e performed ibility of all ococci to est does not ancomycin- <i>S. aureus</i> ntermediate the test vancomycin diate, and s of other than give similar s for which $\mu g/mL$ to a Criteria R ≥ 16
					≤ 8	16	≥ 32
TETRACYCLINES Doxycycline	30 µg	≥16	13-15	≤ 12			
MACROLIDES		•					
Erythromycin	15 µg	≥23	14-22	≤13		tinely rep solated from	orted on the urinary
FLUOROQUINOLONES							
Ciprofloxacin	5 µg	≥21	16–20	≤ 15	resistance c with quinol that are in become re four days a	<i>ccus</i> spp. m luring prolon ones. Theref itially susce sistant with fter initiation repeat isola	ged therapy ore, isolates ptible may in three to of therapy.



Staphylococcus aureus (continued)								
NITROFURANTOINS								
Nitrofurantoin	300 µg	≥17	15-16	≤14	For testing and reporting urinary			
					tract isolates only			
FOLATE PATHWAY INH	IBITORS							
Trimethoprim-	1.25/ 23.75	≥16	11-15	≤ 10				
sulfamethoxazole	μg							
LINCOSAMIDES								
Clindamycin	2 µg	≥21	15-20	≤14	Inducible clindamycin resistance			
					can be detected by disk diffusion			
					using the D-zone test or by broth			
					microdilution.15-µg erythromycin			
					and 2-µg clindamycin disks spaced			
					15–26 mm apart. (See Table 3G)			
ANSAMYCINS	ANSAMYCINS							
Rifampin	5 µg	≥ 20	17-19	≤16	Rifampin should be used but not			
					reported.			
					Rifampin should not be used			
					alone for antimicrobial therapy.			



Enterococcus spp.					
Antimicrobial Agent	Disk Content	Zone Diameter Interpretive Criteria (nearest whole mm)			Comments
		S	Ι	R	
PENICILLINS					
Ampicillin	10 µg	≥17	-	≤ 16	The results of ampicillin susceptibility tests should be used to predict the activity of amoxicillin. Ampicillin results may be used to predict susceptibility to amoxicillin-clavulanate, ampicillin- sulbactam, and piperacillin- tazobactam among non- β - lactamase producing enterococci. Ampicillin susceptibility can be used to predict imipenem susceptibility, providing the species is confirmed to be <i>E. faecalis</i> .
GLYCOPEPTIDES		T	1	T	
Vancomycin	30 μg	≥ 17	15-16	≤ 14	When testing vancomycin against enterococci, plates should be held a full 24 hours for accurate detection of resistance. Zones should be examined using transmitted light; the presence of a haze or any growth within the zone of inhibition indicates resistance. Organisms with intermediate zones should be tested by an MIC method as described in M07-A10. For isolates for which the vancomycin MICs are 8 to 16 µg/mL, perform biochemical tests for identification as listed under the "Vancomycin MIC \geq 8 µg/mL" test found in Table 3F.
FLUOROQUINOLONES Ciprofloxacin	5 μg	≥21	16–20	≤15	
NITROFURANTOINS	J μg	<u> </u>	10-20	<u> </u>	
Nitrofurantoin	300 µg	≥17	15-16	≤14	For testing and reporting urinary tract isolates only
OXAZOLIDINONES					
Linezolid	30 µg	≥23	21-22	≤ 20	
р		•			



HIGH-LEVEL AMINOGLYCOSIDES for <i>Enterococcus</i> spp.								
Antimicrobial Agent	Disk Content		Diameter Interj zeria (nearest w mm)	-	Comments			
		S	Inconclusive	R				
Gentamicin	120 µg	≥10	7-9	= 6				



* For disk diffusion, test a maximum of 9 disks on a 150-mm plate and 4 disks on a 100-mm plate.

Streptococcus pn	eumonia e						
Antimicrobial Agent	Disk Content	Zone Diameter Interpretive Criteria (nearest whole mm)		Content Interpretive Criteria			Comments
		S	Ι	R			
PENICILLINS					1		
Penicillin (nonmeningitis)	1 μg Oxacillin	≥20	-	-	Isolates of pneumococci with oxacillin zone sizes of ≥ 20 mm are susceptible (MIC $\leq 0.06 \ \mu\text{g/mL}$) to penicillin. Penicillin and cefotaxime, ceftriaxone, or meropenem MICs should be determined for those isolates with oxacillin zone diameters of \leq 19 mm, because zones of \leq 19 mm occur with penicillin-resistant, -intermediate, or certain -susceptible strains. For isolates with oxacillin zones \leq 19 mm, do not report penicillin as resistant without performing a penicillin MIC test.		
Penicillin parenteral (nonmeningitis) (optional)	-	-	-	-	MIC Interpretive Criteria $(\mu g/mL)$ SIR ≤ 2 4 ≥ 8 Doses of intravenous penicillin of at least 2 million units every 4 hours in adults with normal renal function (12 million units per day) can be used to treat nonmeningeal pneumococcal infections due to strains with penicillin MICs $\leq 2 \ \mu g/mL$. Strains with an intermediate MIC of 4 $\ \mu g/mL$ may require penicillin doses of 18 to 24 million units per day.		
CEPHEMS				1			
Ceftriaxone (nonmeningitis)	-	-	-	-	$\begin{tabular}{ c c c c } \hline MIC Interpretive Criteria & $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$		
TETRACYCLINES			1	1			
Doxycycline	35 μg	≥28	25-27	≤ 24	Organimes that are susceptible to tetracycline are also considered susceptible to doxycycline. However, resistance to doxycycline cannot be inferred from tetracycline resistance.		



Streptococcus pneumoniae (continued)									
MACROLIDES									
Erythromycin	15 μg	≥21	16-20	≤15	(a) Susceptibility and resistance to azithromycin, clarithromycin, and dirithromycin can be predicted by testing erythromycin.				
					(b) Not routinely reported on organisms isolated from the urinary tract.				
FLUOROQUINOLONES									
Levofloxacin	5 µg	≥17	14-16	≤13					
FOLATE PATHWAY INH	IBITORS	•							
Trimethoprim-	1.25/23.75	≥19	16-18	≤15					
sulfamethoxazole	μg								
LINCOSAMIDES									
Clindamycin	2 µg	≥19	16-18	≤ 15	Inducible clindamycin resistance can be detected by disk diffusion using the D-zone test or by broth microdilution.15µg erythromycin and 2µg clindamycin disks spaced 15–26 mm apart. See Table 3G.				