

QC Ranges Archived From CLSI Document M100 Since 2010

Antimicrobial Agent	Disk Content	QC Strain	Disk Diffusion QC Ranges, mm	MIC QC Ranges, µg/mL	M100 Edition in Which Breakpoints Were Last Included/Comments	Rationale
Ceftobiprole	30 µg	<i>Pseudomonas aeruginosa</i> ATCC® ^a 27853	24-30	-	January 2020 (M100, 30th ed.)	The QC ranges were revised using a 5-µg disk.
Colistin	N/A	<i>Escherichia coli</i> ATCC® 25922	-	0.25-2	March 2023 (M100, 33rd ed.)	Following implementation of the QC range, inconsistent results were noted in subsequent studies. Because this was supplemental QC, this strain provided no value. Many laboratories already confirm with <i>P. aeruginosa</i> ATCC® 27853 and <i>mcr-1</i> strain when out of range.
Methicillin	5 µg	<i>Staphylococcus aureus</i> ATCC® 25923	17-22	-	January 2018 (M100, 28th ed.)	This agent is no longer available.
	N/A	<i>S. aureus</i> ATCC® 29213	-	0.5-2		
		<i>Enterococcus faecalis</i> ATCC® 29212	-	> 16		
Mezlocillin	75 µg	<i>E. coli</i> ATCC® 25922	23-29	-	January 2018 (M100, 28th ed.)	This agent is no longer available.
	N/A	<i>P. aeruginosa</i> ATCC® 27853	19-25	-		
		<i>S. aureus</i> ATCC® 29213	-	1-4		
		<i>E. faecalis</i> ATCC® 29212	-	1-4		
		<i>E. coli</i> ATCC® 25922	-	2-8		
		<i>P. aeruginosa</i> ATCC® 27853	-	8-32		
Plazomicin	N/A	<i>E. faecalis</i> ATCC® 29212	-	32-128	January 2019 (M100, 29th ed.)	Following implementation of the QC range, inconsistent results were noted in subsequent studies. Because plazomicin is not recommended for <i>Enterococcus</i> spp., the drug sponsor requested the QC range for <i>E. faecalis</i> ATCC® 29212 be removed.

Abbreviations: ATCC®, American Type Culture Collection; MIC, minimal inhibitory concentration; N/A, not applicable; QC, quality control.