

Reportable ranges for antimicrobials and bacteria covered by ASTar BC G– Kit (EUCAST). Dots indicate where MIC results and interpretations (when applicable) will be presented.

Antimicrobial class	Antimicrobial agent	Reportable range (mg/L)		C. freundii	C. koseri	E. cloacae complex	E. coli	K. aerogenes	K. oxytoca	K. pneumoniae	M. morganii	P. mirabilis	P. vulgaris	S. marcescens	P. aeruginosa	A. baumannii	H. influenzae	Dilution steps
Non-fastidious																		
Penicillin	Ampicillin	1	64				•					•						7
Penicillin	Amoxicillin-clavulanic acid ¹	1	32		•		•		•	•		•	•					6
Penicillin	Piperacillin-tazobactam ²	0.25	256	•	•	•	•	•	•	•	•	•	•	•	•			11
Cephalosporin	Cefazolin	0.25	16				•		•	•								7
Cephalosporin	Cefepime	0.25	64	•	•	•	•	•	•	•	•	•	•	•	•	•		9
Cephalosporin	Cefotaxime	0.016	128	•	•	•	•	•	•	•	•	•	•	•				14
Cephalosporin	Cefoxitin	1	64				•		•	•		•						7
Cephalosporin	Ceftazidime	0.25	64	•	•	•	•	•	•	•	•		•	•	•			9
Cephalosporin	Ceftazidime-avibactam ³	0.125	32	•	•	•	•	•	•	•	•	•	•	•	•			9
Cephalosporin	Ceftolozane-tazobactam ²	0.125	32	•	•	•	•	•	•	•	•	•	•	•	•			9
Cephalosporin	Ceftriaxone	0.016	128	•	•	•	•	•	•	•	•	•	•	•				14
Cephalosporin	Cefuroxime	1	64				•		•	•		•						7
Carbapenem	Ertapenem	0.016	16	•	•	•	•	•	•	•	•	•	•	•				11
Carbapenem	Meropenem	0.06	64	•	•	•	•	•	•	•	•	•	•	•	•	•		11
Carbapenem	Meropenem-vaborbactam ⁴	0.25	32	•	•	•	•	•	•	•	•	•	•	•				8
Monobactam	Aztreonam	0.25	64	•	•	•	•	•	•	•	•	•	•	•	•			9
Fluoroquinolone	Ciprofloxacin	0.06	8	•	•	•	•	•	•	•	•	•	•	•	•	•		8
Fluoroquinolone	Levofloxacin	0.125	16	•	•	•	•	•	•	•	•	•	•	•	•	•		8
Aminoglycoside	Amikacin	0.5	128	•	•	•	•	•	•	•	•	•	•	•	•	•		9
Aminoglycoside	Gentamicin	0.25	32	•	•	•	•	•	•	•	•	•	•	•		•		8
Aminoglycoside	Tobramycin	0.06	32	•	•	•	•	•	•	•	•	•	•	•	•	•		10
Tetracycline	Tigecycline	0.03	16		•		•											10
Miscellaneous agent	Colistin	0.25	8				•			•								6
Miscellaneous agent	Trimethoprim-sulfamethoxazole ⁵	0.06	8	•	•	•	•	•	•	•	•	•	•	•				8
Fastidious																		
Penicillin	Ampicillin	0.03	4														•	8
Penicillin	Amoxicillin-clavulanic acid ¹	0.5	32														•	7
Cephalosporin	Cefotaxime	0.016	2														•	8
Cephalosporin	Ceftriaxone	0.03	2														•	7
Carbapenem	Meropenem	0.016	8														•	10
Fluoroquinolone	Levofloxacin	0.03	8														•	9

¹ For susceptibility testing purposes, the concentration of clavulanic acid is fixed at 2 mg/L

² For susceptibility testing purposes, the concentration of tazobactam is fixed at 4 mg/L

³ For susceptibility testing purposes, the concentration of avibactam is fixed at 4 mg/L

⁴ For susceptibility testing purposes, the concentration of vaborbactam is fixed at 8 mg/L

⁵ Trimethoprim:sulfamethoxazole in the ratio 1:19

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Sepsis is a leading cause of global deaths, affecting more than 50 million people worldwide every year and causing 11 million potentially avoidable deaths. Accurate and rapid diagnostics are required to save time and save lives^{1,2}.



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ASTar is a rapid AST system from Q-linea that provides clinically actionable AST results in ~6 hours, directly from positive blood cultures. ASTar can be seamlessly integrated into hospital operations and offers an elegant solution to many of the AST challenges faced today.

True MIC Results

ASTar covers a broad range of antimicrobials at 6—14 two-fold dilutions, combined with a controlled inoculum to generate true MIC results that are not extrapolated.



Cut Time to Optimal Therapy

ASTar saves up to 48 hours to optimal treatment when compared to conventional workflows.

Antimicrobial Stewardship

Time to targeted therapy is an important part of antimicrobial stewardship, ensuring antibiotics continue to be an effective treatment for future generations. Helping to create sustainable healthcare, now and in the future. For patients, physicians, and society.

