EUCAST breakpoints are based on the following dosages (see section 8 in Rationale Documents). Alternative dosing regimens may result in equivalent exposure. The table should not be used as a guidance for dosing in clinical practice as dosages can vary widely by indication. It does not replace specific national, regional or local dosing guidelines. However, if national practices significantly differ from those listed below, EUCAST breakpoints may not be valid. Situations where less antibiotic is given as standard or high dose should be discussed locally or regionally.

Uncomplicated UTI: acute, sporadic or recurrent lower urinary tract infections (uncomplicated cystitis) in patients with no known relevant anatomical or functional abnormalities within the urinary tract or comorbidities.

Penicillins	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Benzylpenicillin	0.6 g (1 MU) x 4 iv	1.2 g (2 MU) x 4-6 iv	-	Meningitis caused by S. pneumoniae:
				For a dose of 2.4 g (4 MU) x 6 iv, isolates with MIC ≤0.06 mg/L are susceptible.
				Pneumonia caused by <i>S. pneumoniae:</i> breakpoints are related to dosage:
				For a dose of 1.2 g (2 MU) x 4 iv, isolates with MIC ≤ 0.5 mg/L are susceptible.
				For a dose of 2.4 (4 MU) g x 4 iv or 1.2 g (2 MU) x 6 iv, isolates with MIC ≤1 mg/L are
				susceptible.
				For a dose of 2.4 g (4 MU) x 6 iv, isolates with MIC ≤2 mg/L are susceptible.
Ampicillin	2 g x 3 iv	2 g x 4 iv		Meningitis: 2 g x 6 iv
Ampicillin-sulbactam iv	(2 g ampicillin + 1 g sulbactam) x 3 iv	(2 g ampicillin + 1 g sulbactam) x 4 iv		
Ampicillin-sulbactam oral	None	None	0.75 g x 2 oral	
Amoxicillin iv	1 g x 3-4 iv	2 g x 6 iv	-	Meningitis: 2 g x 6 iv
Amoxicillin oral	0.5 g x 3 oral	0.75-1 g x 3 oral	0.5 g x 3 oral	
Amoxicillin-clavulanic acid iv	(1 g amoxicillin + 0.2 g clavulanic	(2 g amoxicillin + 0.2 g clavulanic		
	acid) x 3-4 iv	acid) x 3 iv		
Amoxicillin-clavulanic acid oral	(0.5 g amoxicillin + 0.125 g	(0.875 g amoxicillin + 0.125 g	(0.5 g amoxicillin + 0.125 g	Amoxicillin-clavulanic acid has separate breakpoints for systemic infections and
	clavulanic acid) x 3 oral	clavulanic acid) x 3 oral	clavulanic acid) x 3 oral	uncomplicated UTI. When amoxicillin-clavulanic acid is reported for uncomplicated UTI,
				the report must make clear that the susceptibility category is only valid for uncomplicated UTI.
Piperacillin	4 g x 4 iv	4 g x 4 iv		High dosage for more serious infections.
		by extended 3-hour infusion		
Piperacillin-tazobactam	(4 g piperacillin + 0.5 g tazobactam)	(4 g piperacillin + 0.5 g tazobactam)		A lower dosage of (4 g piperacillin + 0.5 g tazobactam) x 3 iv, 30-minute infusion, is
	x 4 iv 30-minute infusion or	x 4 iv by extended 3-hour infusion		adequate for some infections such as complicated UTI, intraabdominal infections and
	x 3 iv by extended 4-hour infusion			diabetic foot infections, but not for infections caused by isolates resistant to third-
				generation cephalosporins.
Ticarcillin				
Ticarcillin-clavulanic acid	(3 g ticarcillin + 0.1-0.2 g clavulanic	(3 g ticarcillin + 0.1 g clavulanic acid)		
	acid) x 4 iv	x 6 iv		
Temocillin	2 g x 2 iv	2 g x 3 iv		The 2 g x 2 iv dose has been used in the treatment of uncomplicated UTI caused by
				bacteria with beta-lactam resistance mechanisms.
Phenoxymethylpenicillin	0.5-2 g x 3-4 oral	None		
	depending on species and/or infection			
	type			
Oxacillin	1 g x 4 iv	Dosages vary by indication		
Cloxacillin	0.5 g x 4 oral or 1 g x 4 iv	Dosages vary by indication		Meningitis: 2 g x 6 iv
Dicloxacillin	0.5-1 g x 4 oral or 1 g x 4 iv	Dosages vary by indication		
Flucloxacillin	1 g x 3 oral or 2 g x 4 iv	Dosages vary by indication		Meningitis: 2 g x 6 iv
	(or 1 g x 6 iv)			
Mecillinam oral (pivmecillinam)	None	None	0.2-0.4 g x 3 oral	

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Cephalosporins	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Cefacior	0.25-0.5 g x 3 oral depending on species and/or infection type	1 g x 3 oral		Staphylococcus spp.: Minimum dose 0.5 g x 3 oral
Cefadroxil	0.5-1 g x 2 oral	None	0.5-1 g x 2 oral	
Cefalexin	0.25-1 g x 2-3 oral	None	0.25-1 g x 2-3 oral	
Cefazolin	1 g x 3 iv	2 g x 3 iv		
Cefepime	1 g x 3 iv or 2 g x 2 iv	2 g x 3 iv		Severe P. aeruginosa infections: 2 g x 3 with extended 4-hour infusion
Cefiderocol	2 g x 3 iv over 3 hours	None		
Cefixime	0.2-0.4 g x 2 oral	None	0.2-0.4 g x 2 oral	Uncomplicated gonorrhoea: 0.4 g oral as a single dose
Cefotaxime	1 g x 3 iv	2 g x 3 iv		Meningitis: 2 g x 4 iv S. aureus: High dose only
Cefpodoxime	0.1-0.2 g x 2 oral	None	0.1-0.2 g x 2 oral	
Ceftaroline	0.6 g x 2 iv over 1 hour	0.6 g x 3 iv over 2 hours		S. aureus in complicated skin and skin structure infections: There is some PK-PD evidence to suggest that isolates with MICs of 4 mg/L could be treated with high dose.
Ceftazidime	1 g x 3 iv	2 g x 3 iv or 1 g x 6 iv		
Ceftazidime-avibactam	(2 g ceftazidime + 0.5 g aviba	ctam) x 3 iv over 2 hours		
Ceftibuten	0.4 g x 1 oral	None		
Ceftobiprole	0.5 g x 3 iv over 2 hours	None		
Ceftolozane-tazobactam (intra- abdominal infections and UTI)	(1 g ceftolozane + 0.5 g tazobactam) x 3 iv over 1 hour	None		
Ceftolozane-tazobactam (hospital acquired pneumonia, including ventilator associated pneumonia)	(2 g ceftolozane + 1 g tazobactam) x 3 iv over 1 hour	None		
Ceftriaxone	2 g x 1 iv	2 g x 2 iv or 4 g x 1 iv		Meningitis: 2 g x 2 iv or 4 g x 1 iv S. aureus: High dose only Uncomplicated gonorrhoea: 0.5-1 g im as a single dose
Cefuroxime iv	0.75 g x 3 iv	1.5 g x 3 iv		
Cefuroxime oral	0.25 g x 2 oral	0.5 g x 2 oral	0.25 g x 2 oral	

Carbapenems	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Doripenem	0.5 g x 3 iv over 1 hour	1 g x 3 iv over 1 hour		HAP/VAP* due to non-fermenting Gram-negative pathogens (such as <i>Pseudomonas</i> spp. and <i>Acinetobacter</i> spp.) should be treated with 1 g x 3 iv over 4 hours.
Ertapenem	1 g x 1 iv over 30 minutes	None		
Imipenem	0.5 g x 4 iv over 30 minutes	1 g x 4 iv over 30 minutes		
Imipenem-relebactam	(0.5 g imipenem + 0.25 g relebactam) x 4 iv over 30 minutes	None		
Meropenem	1 g x 3 iv over 30 minutes	2 g x 3 iv over 3 hours		Meningitis: 2 g x 3 iv over 30 minutes (or 3 hours)
Meropenem-vaborbactam	(2 g meropenem + 2 g vabort	pactam) x 3 iv over 3 hours		

^{*} HAP/VAP = hospital-acquired pneumonia/ventilator-associated pneumonia

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Monobactams	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Aztreonam	1 g x 3 iv	2 g x 4 iv		Severe P. aeruginosa infections: 2 g x 4 with extended 3-hour infusion

Fluoroquinolones	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Ciprofloxacin	0.5 g x 2 oral or 0.4 g x 2 iv	0.75 g x 2 oral or 0.4 g x 3 iv		Meningitis: 0.4 g x 3 iv
Delafloxacin	0.45 g x 2 oral or 0.3 g x 2 iv	None		
Levofloxacin	0.5 g x 1 oral or 0.5 g x 1 iv	0.5 g x 2 oral or 0.5 g x 2 iv		
Moxifloxacin	0.4 g x 1 oral or 0.4 g x 1 iv	None		Meningitis: 0.4 g x 1 iv
Norfloxacin	None	None	0.4 g x 2 oral	
Ofloxacin	0.2 g x 2 oral or 0.2 g x 2 iv	0.4 g x 2 oral or 0.4 g x 2 iv		

Aminoglycosides	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Amikacin	25-30 mg/kg x 1 iv	None		
Gentamicin	6-7 mg/kg x 1 iv	None		
Netilmicin	6-7 mg/kg x 1 iv	None		
Tobramycin	6-7 mg/kg x 1 iv	None		

Glycopeptides and	Standard dosage	High dosage	Uncomplicated UTI	Special situations
lipoglycopeptides				
Dalbavancin	1 g x 1 iv over 30 minutes on day 1 If needed, 0.5 g x 1 iv over 30 minutes on day 8	None		
Oritavancin	1.2 g x 1 (single dose) iv over 3 hours	None		
Teicoplanin	0.4 g x 1 iv	Dosages vary by indication		
Telavancin	10 mg/kg x 1 iv over 1 hour	None		
Vancomycin	0.5 g x 4 iv or 1 g x 2 iv or 2 g x 1 by continuous infusion	None		Based on body weight. Therapeutic drug monitoring should guide dosing.

Macrolides, lincosamides and	Standard dosage	High dosage	Uncomplicated UTI	Special situations
streptogramins				
Azithromycin	0.5 g x 1 oral or 0.5 g x 1 iv	None		Uncomplicated gonorrhoea: 2 g oral as a single dose
Clarithromycin	0.25 g x 2 oral	Dosages vary by indication		In some countries clarithromycin is available for intravenous administration at a dose of 0.5 g x 2, principally for treating pneumonia.
Erythromycin	0.5 g x 2-4 oral or 0.5 g x 2-4 iv	Dosages vary by indication		
Roxithromycin	0.15 g x 2 oral	None		
Telithromycin	0.8 g x 1 oral	None		
Clindamycin	0.3 g x 2 oral or 0.6 g x 3 iv	Dosages vary by indication		The high exposure dosing regimen pertains to the severity of the infection or drug exposure at the site of infection.
Quinupristin-dalfopristin	7.5 mg/kg x 2 iv	Dosages vary by indication		

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Tetracyclines	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Doxycycline	0.1 g x 1 oral	Dosages vary by indication		
Eravacycline	1 mg/kg x 2 iv	None		
Minocycline	0.1 g x 2 oral	None		
Tetracycline	0.25 g x 4 oral	Dosages vary by indication		
Tigecycline	0.1 g loading dose followed by 50 mg x 2 iv	None		

Oxazolidinones	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Linezolid	0.6 g x 2 oral or 0.6 g x 2 iv	None		Meningitis: 0.6 g x 2 iv
Tedizolid	0.2 g x 1 oral or 0.2 g x 1 iv	None		

Miscellaneous agents	Standard dosage	High dosage	Uncomplicated UTI	Special situations
Chloramphenicol	1 g x 4 oral or 1 g x 4 iv	2 g x 4 oral or 2 g x 4 iv		Meningitis: 2 g x 4 iv
Colistin	4.5 MU x 2 iv with a loading dose of 9 MU	None		
Daptomycin (cSSTI** without concurrent S. aureus bacteraemia)	4 mg/kg x 1 iv	None	·	·
Daptomycin (cSSTI** with concurrent <i>S. aureus</i> bacteraemia; right-sided infective endocarditis due to <i>S. aureus</i>)	6 mg/kg x 1 iv	None		Enterococcal bloodstream infection and endocarditis, see https://www.eucast.org/eucastguidancedocuments.
Fidaxomicin	0.2 g x 2 oral	None		
Fosfomycin iv	16-18 g/day divided in 3-4 doses	Dosages vary by indication		
Fosfomycin oral	None	None	3 g x 1 oral as a single dose	
Fusidic acid	0.5 g x 2 oral or 0.5 g x 2 iv	Dosages vary by indication		
Lefamulin	0.15 g x 2 iv or 0.6 g x 2 oral	None		
Metronidazole	0.4 g x 3 oral or 0.4 g x 3 iv	Dosages vary by indication		
Nitrofurantoin	None	None	50-100 mg x 3-4 oral	Dosing is dependent on drug formulation.
Nitroxoline	None	None	0.25 g x 3 oral	
Rifampicin	0.6 g x 1 oral or 0.6 g x 1 iv	None		
Spectinomycin	2 g x 1 im	None		
Trimethoprim	None	None	0.16 g x 2 oral	
Trimethoprim-sulfamethoxazole	(0.16 g trimethoprim + 0.8 g sulfamethoxazole) x 2 oral or (0.16 g trimethoprim + 0.8 g sulfamethoxazole) x 2 iv	(0.24 g trimethoprim + 1.2 g sulfamethoxazole) x 2 oral or (0.24 g trimethoprim + 1.2 g sulfamethoxazole) x 2 iv	(0.16 g trimethoprim + 0.8 g sulfamethoxazole) x 2 oral	Meningitis : (5 mg/kg up to 0.48 g trimethoprim + 25 mg/kg up to 2.4 g sulfamethoxazole) x 3 iv

^{**} cSSTI = complicated skin and skin structure infection