

Bristol Reference Laboratory Recommendations (2020)

Antimicrobial	Dosing	Time to be taken	Type of infection	Target peak level (mg/L)	Target trough level (mg/L)	When to repeat the level if patient is stable (days)
Multiple daily dosing						
Gentamicin and Tobramycin	2-3 times a day	At 2nd-4th dose Peak - one hour after dose Trough - immediately before next dose	Gram negative Pneumonia	Greater than 7	Less than 2	3-7
			Endocarditis	3-5	Less than 1	
Amikacin	2-3 times a day			20-30	Less than 10	3-7
Once daily dosing						
Gentamicin and Tobramycin	Once daily	At 2nd-4th dose Trough - 18-24 hours after dose If using Craig and Urban nomogram (5mg/kg dose) 6-14 hours after dose	All adult patients	Greater than 10	Less than 1	6-8
Gentamicin 5mg/kg dose	Once daily	Peak - one hour after dose Trough - immediately before next dose	Neonatal sepsis	Greater than 8	Less than 2 but less than 1 after 3rd dose	
Amikacin	Once daily				Less than 5	6-8