

## Antimicrobials requiring Therapeutic Drug Monitoring

	Vancomycin	Gentamicin (Once Daily)	Gentamicin (Multiple daily dosing)	Amikacin
	<b>Use Local guidelines (+/- local dosing calculator) to determine initial dose. Adjust dose and /or monitoring in renal impairment</b>			
<b>Timing of 1st level</b>	Pre-Dose at 48hrs	16-24hrs post first/second dose	Trough level at 24hrs. Post-dose (30mins) level at 24hrs	16-24hrs post first/second dose
<b>Target range (s)</b>	10-15mg/L (or 15-20mg/L)	Trough <1mg/L	Trough <1mg/L, Peak 3-5mg/L	Trough <5mg/L
<b>Repeat levels</b>	Twice weekly (e.g. Mon/Thurs or Tues/Fri) providing level in target range, dose and renal function are stable. If doses are adjusted to optimise levels and/or renal function is unstable, more frequent monitoring is required until they meet the former criteria ( see 'Antimicrobial Guidelines')			

### Administered By / Witnessed By

Drug (Approved name) <b>Vancomycin IV</b>			What infection are you treating ?		Date											Automatic stop unless rewritten					
Start Date	Dose	Freq	Prescriber Signature & Reg No	Stop Date	Reviewed By	Date	Time of Level														
Level											Automatic stop unless rewritten										
<b>Do not hold doses awaiting levels unless specifically advised</b>																					
							06.00														
							10.00														
							12.00														
							14.00														
							18.00														
							22.00														

Drug (Approved name) <b>Gentamicin IV</b>			What infection are you treating ?		Date											Automatic stop unless rewritten					
Start Date	Dose	Freq	Prescriber Signature & Reg No	Stop Date	Reviewed By	Date	Time of Level														
Level											Automatic stop unless rewritten										
<b>Do not hold doses awaiting levels unless specifically advised</b>																					
							16.00														
							18.00														

**Gentamicin is rarely indicated for more than 3-5 days**

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