## Antimicrobials requiring Therapeutic Drug Monitoring

<table>
<thead>
<tr>
<th><strong>Drug (Approved name)</strong></th>
<th><strong>What infection are you treating?</strong></th>
<th><strong>Reviewed By</strong></th>
<th><strong>Date</strong></th>
<th><strong>Time of Level</strong></th>
<th><strong>Level</strong></th>
<th><strong>Administered By / Witnessed By</strong></th>
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<tbody>
<tr>
<td><strong>Vancomycin IV</strong></td>
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<td>Prescriber Signature &amp; Reg No</td>
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<td>Stop Date</td>
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**Trough range (s)**

- **Pre-Dose at 48hrs**
- **16-24hrs post first/second dose**
- **10-15mg/L (or 15-20mg/L)**
- **Trough <1mg/L**
- **16-24hrs post first/second dose**
- **Trough <1mg/L**

**Repeat levels**

- 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’)

**Dosage**

- **Vancomycin IV**
- **Gentamicin IV**
- **Amikacin**

**Monitoring**

- Use Local guidelines (+/- local dosing calculator) to determine initial dose. Adjust dose and/or monitoring in renal impairment.

**Other Instructions**

- Do not hold doses awaiting levels unless specifically advised.
- Automatic stop unless rewritten.

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If other agents requiring therapeutic drug monitoring are necessary, prescribe in regular antimicrobial prescription section with appropriate monitoring of levels.