

Sampling Guidelines for Antibiotic Therapeutic Drug Monitoring

This document is applicable at site(s):

All Sites

| DRUG | DOSE | SPECIMEN | ORDER ON REQUISITION | SAMPLING TIMES | NOTES |
|--|---|---|-------------------------------------|--|---|
| Gentamicin and Tobramycin | Extended Interval (7 mg/kg/dose) | 8 hour interval * (recommended) | INTERVAL - 8 h | 7.0 – 9.0 hours after START of infusion | DO NOT collect < 6.0 hours or >14.0 hours after START of infusion. Result will be uninterpretable. |
| | | -----OR----- 6 -14 hour level * | OTHER | 6.0 – 7.0 or 9.0 -14.0 hours after START of infusion | |
| | Conventional (1.5 – 2.0 mg/kg/dose) | Pre (trough) | PRE (trough) | 0 - 30 minutes before START of third infusion dose of particular regimen | DO NOT collect DURING infusion. |
| | | -----AND----- Post (peak) | POST (0.5 -1.0 h after dose end) | 30 – 60 minutes after END of third infusion dose of a particular regimen | DO NOT collect sooner than 30 minutes after END of infusion. Result will be uninterpretable. |
| Vancomycin | | Pre (trough) | PRE (trough) | 0 - 30 minutes before START of third infusion dose of a particular regimen. | DO NOT collect DURING infusion |

Notes:

1. USE ROUTINE REQUISITION ONLY. DO NOT USE STAT REQUISITION.
2. Complete ALL dosing information on requisition.
3. DO NOT request interval specimens as “post-dose”.

*Interpret in conjunction with Hartford Nomogram (Laboratory Bulletin, 2005, Volume 10 No. 5: “Extended Interval Dosing Guidelines – Revised Version”).