

ADDENDUM II

ANTIBIOTIC THERAPEUTIC DRUG MONITORING GUIDE

Lab request slips must include all requested information (actual sample time, dose start and stop time) for proper interpretation.

Sampling at times other than those listed below may be necessary in some situations (i.e., “random levels”, cystic fibrosis patients).

DRUG	SPECIMEN SAMPLING TIME			COMMENTS
	“FIRST/PEAK”	“SECOND/RANDOM”	TROUGH	
Amikacin – <i>“traditional” dosing</i>	30 minutes after end of infusion		30 minutes or less before next dose	Administer over 20-30 minutes
Amikacin – <i>“extended interval” dosing*</i>	1h after end of infusion	8-10h after infusion		Administer over 1 hour
Gentamycin & Tobramycin – <i>“traditional” dosing</i>	30 minutes after end of infusion		30 minutes or less before next dose	Administer over 20-30 minutes
Gentamycin & Tobramycin – <i>“extended interval” dosing*</i>	1h after end of infusion	8-10h after infusion		Administer over 1 hour
Vancomycin			1h or less before next dose	Administer over a minimum of 1 hour

* Also referred to as “once-daily” dosing, usually 5-8mg/kg every 24-36 hours. In cystic fibrosis, 5-8mg/kg every 12 hours.