

# THERAPEUTIC DRUG LEVEL COLLECTION TIMES

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Accurate timing in the administration of a drug and collection of the blood sample are of utmost importance in therapeutic drug monitoring. Blood samples should be taken in a steady state after treatment with a constant dose. Samples are usually drawn to coincide with the maximum peak concentration and/or immediately before the next dose.

<u>Therapeutic Drug</u>	<u>Suggested Collection Interval</u>
Acetaminophen	1 hr after dose
Salicylate	1-3 hrs after dose
Theophylline	2 hrs after dose of short acting for peak 4 hrs after dose of long acting for peak immediately before dose for trough
Carbamazepine (sendout)	immediately before dose for trough
Phenobarbital (sendout)	time to dose not important, time should be consistent each sampling
Phenytoin	time to dose not important, time should be consistent each sampling
Primidone (sendout)	immediately prior to dose
Valproic Acid	immediately prior to dose
Vancomycin	1 hour before 4 <sup>th</sup> dose
Digoxin	6-8 hrs after dose
Gentamicin	0.5 to 1 hr after 30 minute infusion 1hr after IM dose