

**SYSTEM PHLEBOTOMY**

 Title: **Therapeutic Drug Monitoring Collection Times**

 No.: **SYS.800.225**
**Table:** Collection times of common therapeutic drugs.

| DRUG   | COLLECTION TIME  |
|--|--|
| Digoxin (Lanoxin)  | Trough = Before morning dose<br>Peak = 5 - 6 hours after dose  |
| Phenobarb  | Trough and peak levels usually not necessary. May draw levels at any time. Refer questions to a pathologist.   |
| Dilantin (Phenytoin)   |  |
| Valproic Acid (Depakene)   |  |
| Tegretol (Carbamazepine)   |  |
| Procainamide (Pronestyl)   | Trough = 1/2 hour before dose<br>Peak 1 hour after oral dose   |
| Quinidine (Quinaglute, Quinidex, Quinidine Sulfate/Cin-Quin)   | Trough 1/2 hour before dose<br>Peak = 5 hours after Quinaglute = 2 - 6 hours after Quinidex = 1 - 2 hours after Quinidine Sulfate (Cin-Quin)   |
| Theophylline (Aminophylline)<br>Theodur Tabs., Theodur Sprinkle Caps., Somophyllin Liquid, Slo-phyllin Gyrocaps, Theo-24 Slo-Phyllin Tabs., Aminophylline Tabs., Theoclear-80, Quibron Caps., Elixophyllin Liq., Quibron | Trough = 1/2 hour before dose Peak = 4 hours after Theodur Tabs, Sprinkle, Slo-Phyllin, Gyrocaps, Theo-24<br>Peak = 1 - 2 hours after Slo-Phyllin Tabs., Theoclear-80, Quibron Caps. |
| DRUG   | COLLECTION TIME  |
| Liq., Synophylate Elixir, Uniphyll   | Peak = 1 hour after Elixophyllin Liq., Somophyllin Liq., Quibron Liq., Synophylate Elixir, Quibron Plus Liq.   |
| Amitriptyline (Elavil)<br>Doxepin (Sinequan, Adapin)<br>Despramine (Norpramin)<br>Imipramine (Tofranil)<br>Nortriptyline (Pamelor)   | Steady state levels – 10 - 14 hours after last dose for once-daily dosing.<br><br>Steady state levels – 4 - 6 hours after the last dose in dividing dose.                            |

**SYSTEM PHLEBOTOMY**

 Title: **Therapeutic Drug Monitoring Collection Times**

 No.: **SYS.800.225**

|            |   |
|------------|---|
| Lithium    | 6 - 12 hours after the last dose.   |
| Gentamycin | Trough = 1/2 hour before IV or IM dose<br>Peak = 1/2 hour after <b>IV</b> infused<br>= 1 hour after <b>IM</b> dose                                |
| Tobramycin |   |
| Vancomycin | Trough = 1/2 hour before dose<br>Peak = 1 hours after IV is infused (infusion should take 1 hour) = 1 ½ hours for <b>Dr. Cohen</b> and Associates |