

## Therapeutic Drug Monitoring

### Carbamazepine

Therapeutic range	Approximate time to steady state	Sampling time
4-12 mg/L	14-28 days after starting therapy 2-4 days after a dose change	Pre-dose

### Digoxin

Therapeutic range	Approximate time to steady state	Sampling time
0.8-2.0 mcg/L	7 Days	At least 6 hours post dose

### Lithium

Therapeutic range	Approximate time to steady state	Sampling time
0.4-1.0 mmol/L	4-7 days	12 hours after evening dose

### Phenobarbital

Therapeutic range	Approximate time to steady state	Sampling time
15-40 mg/L	14-28 days	Pre-dose

### Phenytoin

Therapeutic range	Approximate time to steady state	Sampling time
10-20 mg/L	7-28 days (varies considerably between patients)	Pre-dose

### Theophylline

Therapeutic range	Approximate time to steady state	Sampling time
10-20 mg/L	2 days	m/r preps, 4-6 hours post-dose

### Aminophylline Infusion

Therapeutic range	Approximate time to steady state	Sampling time
10-20 mg/L	1 day	Sampling time not critical