



## Commonly Prescribed Therapeutic Drugs Reference Ranges and Critical Values

TEST	GENDER	AGE	REFERENCE RANGE	CRITICAL VALUE <sup>a</sup>	ADDITIONAL INFORMATION <sup>b</sup>
<b>Carbamazepine</b> (Tegretol®)	M/F	All Ages	4-12 µg/mL With concurrent Phenytoin therapy 4-8 µg/mL	>15 µg/mL	Serious 50 µg/mL Concurrent phenytoin 8 µg/mL
<b>Digoxin</b> (Lanoxin®)	M/F	0-10 years ≥10 years	0.8-2.0 ng/mL 0.8-2.0 ng/mL	>3.0 ng/mL >2.5 ng/mL	
<b>Phenytoin</b> (Dilantin®)	M/F	0-3 months ≥3 months	6-11 µg/mL 10-20 µg/mL	>30 µg/mL	
<b>Phenobarbital</b> (Luminal®)	M/F	All Ages	15-40 µg/mL	>40 µg/mL	Slowness, ataxia nystagmus 35-80 µg/mL Coma with reflexes 65-117 µg/mL Coma without reflexes (serious) >100 µg/mL
<b>Valproic Acid</b> (Depakene®)	M/F	All Ages	50-120 µg/mL	>120 µg/mL	Initial >100 µg/mL Serious >200 µg/mL
<b>Vancomycin</b> (Vancocin®)	M/F				
<b>Trough</b>		All Ages	5-10 µg/mL	>40 µg/mL	
<b>Peak</b>		All Ages	20-40 µg/mL	>70 µg/mL	

Reference ranges are subject to update. Refer to the individual test listed on the Legacy web site or the patient chart for reference ranges at time of testing.

- a. Critical Values will be called to the physician.
- b. Additional Information are cut-offs for potential toxicity. These need to be evaluated on an individual patient basis.