

Dilantin



Alternate Name:	Phenytoin
Performing Lab:	New Hanover and Cape Fear
Specimen Container:	Red top tube or red microtainer
Minimum Volume Required:	2 mL whole blood 500 uL whole blood from microtainer
Testing Availability	Routine: 24 hours/day Stat: Yes
Turnaround Time:	Routine: 4 hours Stat: < 1 hour
Special Handling:	Draw just before next dose
Patient Preparation:	None
Specimen Stability:	
Reference Range:	10 – 20 ug/mL
Critical Value:	> 25 ug/mL
CPT Code:	80185
Testing Methodology:	Competitive Chemiluminescent Immunoassay
Causes for Specimen Rejection:	Improper labeling
Other Comments:	
Clinical Significance:	Phenytoin is an anticonvulsant hydantoin used for the treatment of generalized tonic-clonic (grand mal) and complex partial seizures. Phenytoin is also used for prophylaxis in neurosurgical procedures. Phenytoin levels are monitored to assure adequate therapeutic levels are achieved and to avoid toxicity.