

PHENYTOIN,
SERUM/
PLASMA -
TOTAL

Orderable - PHENY

Turn Around Time: 24 hours

STAT: 1 hour

Alternate Name(s):

Anticonvulsant
Dilantin

Specimen:

Adult	Pediatric
4.5 mL Green (Lithium Heparin) top Vacutainer tube	0-2 years: 0.5 mL Green top Microtainer 2-10 years: 2 mL Green top tube
Serum from a 5 mL Gold top or 6 mL Red top Vacutainer tube is also acceptable.	

Collection Information:

Collect blood aseptically in a Vacutainer tube.

Reference Ranges:

Adult:	< 3 months:
40-79 µmol/L	24-55 µmol/L
Toxic: ≥120 µmol/L	

Interpretive Comments:

Note: Falsely elevated Phenytoin concentrations have been observed in patients with renal failure due to assay interference with metabolites of Phenytoin.

Comments:

CRITICAL VALUE to be phoned to Nurse or Physician immediately:



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Kinetic interaction of
Microparticles in Solution
(KIMS)



Test Schedule:
As required