
Reporting Title: Phenytoin, Tot and Phenobarbital, S
Performing Location: Rochester

Specimen Requirements:

One serum specimen (0.5 mL of serum) may be sent if using a red top tube.

Serum for Phenytoin:

Collection Container/Tube: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial within 2 hours of collection.

Serum for Phenobarbital:

Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.5 mL

Collection Instructions:

1. Serum gel tubes should be centrifuged within 2 hours of collection.

2. Red-top tubes should be centrifuged, and the serum aliquoted into a plastic vial within 2 hours of collection.

Specimen Minimum Volume:

0.25 mL for 2 specimens; 0.25 mL for 1 serum red top

Forms:

If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	28 days	
	Ambient	72 hours	
Serum Red	Refrigerated (preferred)	7 days	
	Frozen	14 days	
	Ambient	7 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
PNYA	Phenytoin, Total, S Also used by tests: PNYA	Numeric	mcg/mL	3968-5
PBR	Phenobarbital, S Also used by tests: PBR	Numeric	mcg/mL	3948-7

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PNYA	Phenytoin, Total, S			Yes	Yes
PBR	Phenobarbital, S			Yes	Yes

CPT Code Information:

80184-Phenobarbital
80185-Phenytoin, total

Reference Values:**PHENYTOIN, TOTAL**

Therapeutic: 10.0-20.0 mcg/mL
Critical value: > or =30.0 mcg/mL

PHENOBARBITAL

Therapeutic: 10.0-40.0 mcg/mL:
Critical value: > or =60.0 mcg/mL