

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.

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®
PBR	Phenobarbital, S	Numeric	mcg/mL	3948-7
PNYA	Phenytoin, Total, S	Numeric	mcg/mL	3968-5

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
PNYA	Phenytoin, Total, S	1	80185	Yes	Yes
PBR	Phenobarbital, S	1	80184	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