

Reporting Title: Pentobarbital, S
Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Specimen Requirements:

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube: Red top (serum gel/SST are **not acceptable**)
Submission Container/Tube: Plastic vial
Specimen Volume: 1.5 mL

Collection Instructions:

- 1. Draw blood immediately before the next scheduled dose.
- 2. Within 2 hours of collection centrifuge and aliquot serum into a plastic vial.

Forms:

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

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8239	Pentobarbital, S	Numeric	mcg/mL	3924-8

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

Supplemental Report:

No

CPT Code Information:

80299

Reference Values:

Therapeutic range
Hypnotic: 1.0-5.0 mcg/mL
Therapeutic coma: 20-50 mcg/mL
Reducing intracranial pressure: 30-40 mcg/mL
This degree of sedation requires artificial respiratory support.
Toxic concentration: >10 mcg/mL

Cutoff concentrations by gas chromatography mass spectrometry:
Pentobarbital: 0.5 ng/mL