**Lab Dept:** Chemistry  
**Test Name:** THIOPENTAL LEVEL  

### General Information

**Lab Order Codes:** THIOP  
**Synonyms:** Pentothal  
**CPT Codes:** 82491 – Chromatography, quantitative, column; single analyte not elsewhere specified, single stationary and mobile phase  
**Test Includes:** Thiopental level measured in ug/mL.

### Logistics

**Test Indications:** N/A  
**Lab Testing Sections:** Chemistry - Sendouts  
**Referred to:** MedTox Laboratories (MedTox Test: 334)  
**Phone Numbers:**  
MIN Lab: 612-813-6280  
STP Lab: 651-220-6550  
**Test Availability:** Daily, 24 hours  
**Turnaround Time:** 1-2 days  
**Special Instructions:** N/A

### Specimen

**Specimen Type:** Blood  
**Container:** Red top NO GEL tube  
Alternate: Green top NO GEL (Li Heparin) tube  
**Draw Volume:** 6 mL (Minimum: 2 mL) blood  
**Processed Volume:** 2 mL (Minimum: 0.2 mL) plasma/serum  
Note: Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.
**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

### Interpretive

**Reference Range:** 4.0 – 60.0 ug/mL

**Critical Values:** >100.0 ug/mL

**Limitations:** Reporting limit: 1.0 ug/mL

**Methodology:** Gas chromatography/Flame ionization detection (GC-FID)

**References:** Medtox Laboratories December 2017

**Updates:** 5/6/2010: CPT update, previously listed as 82205 – Barbiturates, not elsewhere specified
11/16/2016: Tube update to NO GEL.