
Lab Dept: Chemistry

Test Name: ETHOTOIN LEVEL

General Information

Lab Order Codes: ETH

Synonyms: Peganone®

CPT Codes: 80339 - Antiepileptics, not otherwise specified; 1-3
OR
G0480 – Drug, test, definitive

Test Includes: Ethotoin concentration measured in ug/mL.

Logistics

Test Indications: Assessment of compliance, therapeutic drug monitoring.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 49)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 5 days

Special Instructions: Trough levels are most reproducible.

Specimen

Specimen Type: Blood

Container: Red NO GEL tube **preferred**
Alternate: Green (Na Heparin) tube (obtain from the laboratory).

Draw Volume: 6 mL (Minimum: 0.6 mL) blood

Processed Volume: 2 mL (Minimum: 0.2 mL) serum/plasma

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 serum/plasma 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:	8.0 – 20.0 ug/mL Note: The therapeutic range for ethotoin is not well established. Many patients respond well to ethotoin concentrations up to 60 µg/mL.
Critical Values:	>60.0 ug/mL
Limitations:	Reporting limit: 1.0 ug/mL
Methodology:	Gas Chromatography/Flame ionization Detection (GC-FID)
References:	MedTox Laboratories Web Page November 2017
Updates.	2/4/2016: CPT update.