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.