<table>
<thead>
<tr>
<th>Lab Dept:</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Name:</td>
<td>ETHOTOIN LEVEL</td>
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</table>

**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 OR 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