
Lab Dept: Chemistry

Test Name: ETHOSUXIMIDE LEVEL

General Information

Lab Order Codes: ZAR

Synonyms: Zarontin®

CPT Codes: 80168 - Ethosuximide

Test Includes: Ethosuximide level reported in mcg/mL.

Logistics

Test Indications: Monitoring therapy, determining compliance, assessing toxicity

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 48)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day, test performed daily

Special Instructions: Trough levels are most reproducible.

Specimen

Specimen Type: Blood

Container: Red NO GEL tube
Alternate: Green top NO GEL (Lithium heparin) tube

Draw Volume: 3 mL (Minimum: 1.8 mL) blood

Processed Volume: 1 mL (Minimum: 0.6 mL) serum/plasma

Collection: Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen, remove plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly. Minimum volumes may result in an elevated reporting limit and inability to repeat analysis.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Therapeutic range: 40 – 100 mcg/mL
Toxic Values:	> or = 200 mcg/mL
Limitations:	Minimum volumes may result in an elevated reporting limit and inability to repeat analysis. Reporting limit 1.0 mcg/mL.
Methodology:	Immunoassay Technique (IA)
References:	MedTox Laboratories December 2017
Updates:	3/4/2004: Test moved from Medtox to Mayo Medical Laboratories. Note: Change in upper therapeutic range from 100 to 75. Toxic range previously >150. 1/28/2010: Units changed from ug/mL to mcg/mL. Critical/Toxic value changed from ≥ 100 mcg/mL to >100 mcg/mL. 1/5/2011: Test moved from Mayo to MedTox. Toxic range previously listed >100 mcg/mL. 11/16/2016: Tube update to NO GEL. 12/13/2017: Updated toxic level, previously listed as >or=150 mcg/mL.