
Lab Dept: Chemistry

Test Name: METHSUXIMIDE LEVEL

General Information

Lab Order Codes: CELO (MedTox)

Synonyms: Desmethylnmethsuximide, or Celontin®

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

Test Includes: Methsuximide (Desmethylnmethsuximide) concentrations measured in ug/mL.

Logistics

Test Indications: Anti-epileptic (anticonvulsant) therapeutic drug monitoring, optimizing dosage and assessing toxicity.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 78)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days, performed daily

Special Instructions: If this is a STAT order, please check with the provider to see if the specimen should be shipped immediately and performed STAT by the reference lab at an additional cost. If immediate shipment is necessary, please call the lab to make arrangements.

Specimen

Specimen Type: Blood

Container: Red NO GEL tube
Alternate: Green NO GEL (Lithium Heparin) tube

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 may result in an elevated reporting limit and inability to repeat analysis.

Collection: Routine venipuncture

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

Patient Preparation: None

Sample Rejection: Specimens other than serum/plasma; mislabeled or unlabeled specimens

Interpretive

Reference Range:

Celontin/Desmethylnmethsuximide:	10 - 40 ug/mL
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Critical Values:

Desmethylnmethsuximide: ≥ 55 ug/mL

Limitations:

Reporting limit: 1.0 ug/mL

Submission of the minimum volume may result in an elevated reporting limit and inability to repeat analysis.

Methodology:

Gas Chromatography/Flame Ionization Detection (GC-FID)

References:

[MedTox Laboratories](#) December 2017

Updates:

1/7/2015: CPT update
2/1/2016: CPT update
11/4/2016: Tube update, CPT update