
Lab Dept: Chemistry

Test Name: LACOSAMIDE LEVEL

General Information

Lab Order Codes: LCS

Synonyms: Vimpat; Desmethyllacosamide

CPT Codes: G0480 – Drug, test, definitive

Test Includes: Lacosamide/Vimpat (Desmethyllacosamide) concentration in reported in ug/mL.

Logistics

Test Indications: Useful for therapeutic drug monitoring (TDM). Lacosamide is used in the treatment of certain types of seizures.

Lab Testing Sections: Chemistry – Sendouts

Referred to: Medtox Laboratories (MedTox Test: 777)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily; 24 hours

Turnaround Time: 2 – 4 days

Special Instructions: Trough levels are most reproducible

Specimen

Specimen Type: Blood

Container: Green top NO GEL (Lithium heparin) top tube **preferred**
Alternate: Red top NO GEL tube
(Plasma or serum gel tubes are not acceptable)

Draw Volume: 3 mL blood

Processed Volume: 1 mL serum/plasma

Collection:	Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion.
Special Processing:	Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into plastic sample cup. Store Refrigerated. (Frozen OK. Ambient 3 days OK) Forward promptly.
Patient Preparation:	None
Sample Rejection:	Unlabeled or mislabeled specimen; specimens other than plasma/serum

Interpretive

Reference Range:	<=15.0 ug/mL Expected concentrations in patients receiving recommended daily dosages: up to 15.0 ug/mL.
Critical Values:	Toxic range not established
Limitations:	N/A
Methodology:	Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)
References:	Medtox Laboratories August 2016
Updates:	11/1/2012: Reference range update. 2/1/2016: CPT update 8/3/2016: Tube update 11/16/2016: CPT update