### Lab Dept: Chemistry

### Test Name: LACOSAMIDE LEVEL

#### General Information

**Lab Order Codes:** LCS  
**Synonyms:** Vimpat  
**CPT Codes:** 80235 – Lacosamide  
**Test Includes:** Lacosamide/Vimpat 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:** Red top NO GEL tube  
(Plasma or serum gel tubes are not acceptable)  
**Draw Volume:** 3 mL blood  
**Processed Volume:** 1 (min.: 0.2) mL serum  
**Collection:** Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion.
**Special Processing:** Lab Staff: Centrifuge specimen, aliquot serum 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 serum; specimens collected in gel-barrier tubes

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**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:** Immunoassay (IA)

**References:** Medtox Laboratories February 2023

**Updates:**

11/1/2012: Reference range update.
2/1/2016: CPT update
8/3/2016: Tube update
11/16/2016: CPT update
2/2/2023: Tube and methodology update