Lab Dept: Chemistry

Test Name: LACOSAMIDE LEVEL

General Information

Lab Order Codes: LCS

Synonyms: Vimpat; Desmethylacosamide

CPT Codes: G0480 – Drug, test, definitive

Test Includes: Lacosamide/Vimpat (Desmethylacosamide) 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