
Lab Dept: Chemistry

Test Name: OXCARBAZEPINE LEVEL

General Information

Lab Order Codes: OXCA

Synonyms: Trileptal; Monohydroxy carbamazepine; MHC; Oxcarbazepine metabolite

CPT Codes: 80183 - Oxcarbazepine

Test Includes: Oxcarbazepine level measured in ug/mL.

Logistics

Test Indications: Monitoring Oxcarbazepine therapy, assessing compliance and potential toxicity.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 432)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days

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.

Trough levels are most reproducible.

Specimen

Specimen Type: Blood

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

Draw Volume: 6 mL blood

Processed Volume:	2 mL (Minimum: 0.2 mL) serum/plasma Note: Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen within 2 hours of collection, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly. Note: Specimens may also be shipped ambient up to 3 days or frozen.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	10.0 - 35.0 ug/mL Therapeutic efficacy has been demonstrated in patients with trough 10-hydroxy metabolite concentrations of 10 - 35 ug/mL. Toxic concentrations have not been established.
Critical Values:	N/A
Limitations:	Reporting limit: 2.0 ug/mL
Methodology:	High Turbulence Liquid Chromatography Mass Spectroscopy (HTLC-MS/MS)
References:	MedTox Laboratories (November 2011)
Updates:	2/11/2010: Plasma samples no longer accepted at MML. MML units change from ug/mL to mcg/mL. MML updated reference range. 6/28/2007: Collect volume previously listed as 3.0 mL. 12/7/2010: Mayo references removed, all testing will be referred to MedTox. 1/7/2015: CPT update 11/15/2016: Update to NO GEL tube