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**Lab Dept:** Chemistry

**Test Name:** OXCARBAZEPINE LEVEL

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***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.

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***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 – 5 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.

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***Specimen***

**Specimen Type:** Blood

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

**Draw Volume:** 6 mL blood

<b>Processed Volume:</b>	2 mL (Minimum: 0.2 mL) serum/plasma
	<b>Note:</b> Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	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.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Reporting limit: 2.0 ug/mL
<b>Methodology:</b>	Immunoassay
<b>References:</b>	<a href="#">MedTox Laboratories</a> (November 2017)
<b>Updates:</b>	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 11/8/2017: Updated method and turnaround time