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**Lab Dept:** Chemistry

**Test Name:** CLONAZEPAM LEVEL

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***General Information***

**Lab Order Codes:** CZPS

**Synonyms:** Klonopin®; Clonopin, Nitrozepane; Rivotrol

**CPT Codes:** 80346 – Benzodiazepines; 1-2  
OR  
G0480 – Drug, test, definitive (if appropriate)

**Test Includes:** Clonazepam level reported in ng/mL.

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***Logistics***

**Test Indications:** Clonazepam is a long-acting benzodiazepine restricted in use to those patients who have responded for seizure control **only** to diazepam, but who no longer respond to diazepam within non-toxic levels. Clonazepam is an effective anticonvulsant, but used only as a **last resort** because of its side effects.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (MML Test: CZPS)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2-6 days, performed Tuesday and Thursday

**Special Instructions:** Should be drawn at trough or immediately before next dose (minimum 12 hours after last dose). Levels may be elevated in none-trough specimens

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube, NO GEL

**Draw Volume:** 3.6 mL (Minimum: 1.8 mL) blood

<b>Processed Volume:</b>	1.2 mL (Minimum: 0.6 mL) serum
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.  Note: Specimen must be centrifuged within 2 hours of draw.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; collected in gel tube; grossly icteric specimens

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### ***Interpretive***

<b>Reference Range:</b>	Anticonvulsant: 20 – 70 ng/mL Anxiolytic: 4 – 80 ng/mL  Note: Some individuals may show therapeutic response outside these ranges, or may display toxicity within the therapeutic range, thus interpretation should include clinical evaluation. Levels may be elevated in non-trough specimens.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)
<b>References:</b>	<a href="#">Mayo Medical Laboratories</a> December 2017
<b>Updates:</b>	3/1/2004: Test moved from MedTox Laboratories to Mayo Medical Laboratories. Note: change in reference range from 20-60 ng/mL to 10-50 ng/mL. 4/22/2010: MML made test 8385 obsolete and started referring test 500108 to MML New England. Note updated ref range and method. 3/18/2014: Draw volume and minimum increase per MML. 2/2/2016: CPT update 6/8/2016: Method update per MML.