
Lab Dept: Chemistry

Test Name: CLONAZEPAM LEVEL

General Information

Lab Order Codes: CLZ

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.

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.
Levels may be elevated in none-trough specimens

Specimen

Specimen Type: Blood

Container: Red top tube, NO GEL

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

Processed Volume:	1.2 mL (Minimum: 0.6 mL) serum
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens; collected in gel tube

Interpretive

Reference Range: 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.

Critical Values: N/A

Limitations: N/A

Methodology: Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

References: [Mayo Medical Laboratories](#) June 2016

Updates:
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.