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**Lab Dept:** Chemistry

**Test Name:** DIAZEPAM AND NORDIAZEPAM LEVELS

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***General Information***

**Lab Order Codes:** DINOR

**Synonyms:** Benzodiazepines; Clorazepate Dipotassium; Tranxene; Valium

**CPT Codes:** 80154 – Benzodiazepines  
OR  
G0480 – Drug, test, definitive (if appropriate)

**Test Includes:** Concentration of Diazepam and Nordiazepam, total of both reported in ng/mL.

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***Logistics***

**Test Indications:** Assessing compliance, monitoring for appropriate therapeutic level, assessing toxicity.

**Lab Testing Sections:** Chemistry - Sendouts

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

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 – 7 days, performed once per week (Thursdays 9AM)

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Red NO GEL tube

**Draw Volume:** 1.5 mL (Minimum:1 mL) blood

**Processed Volume:** 0.5 mL (Minimum: 0.3 mL) serum

**Note:** Submission of the minimum volume does not allow for repeat analysis and may result in a QNS (quantity not sufficient) test result.

**Collection:** Routine venipuncture

**Special Processing:** Lab staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship refrigerated temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Specimens other than serum; specimens collected in gel tubes; mislabeled or unlabeled specimens

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***Interpretive***

**Reference Range:**

**Therapeutic concentration:**

Diazepam & Nordiazepam,  
Total:

200 – 2500 ng/mL

This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic. This test has not been cleared or approved by the US Food and Drug Administration.

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** High-Pressure Liquid Chromatography (HPLC)

**References:** [Mayo Medical Laboratories](#) December 2017

**Updates:**  
4/6/2004: Test moved from MedTox Laboratories, Inc. to Mayo Medical Laboratories. Test formerly named: Tranxene.  
1/13/2009: Min. volume amended.  
5/4/2010: Transport temperature changed from ambient to refrigerated.  
7/12/2010: Units updated from ug/mL to mcg/mL.  
8/6/2015: Method and units change, previously listed as mcg/mL.  
2/4/2016: CPT update.  
12/13/2017: Collection container update.