<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Chemistry</th>
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<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>CLOMIPRAMINE LEVEL</td>
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**General Information**

- **Lab Order Codes:** CLOM
- **Synonyms:** Anafranil®; Desmethyloclopramipine
- **CPT Codes:**
  - 80335 – Antidepressants, tricyclic and other cyclical; 1 or 2
  - OR
  - G0480 – Drug, test, definitive (if appropriate)
- **Test Includes:** Clomipramine and Desmethyloclopramipine concentration measured in ng/mL.

**Logistics**

- **Test Indications:** Useful for determining whether a poor therapeutic response is attributable to noncompliance. Monitoring serum concentration of clomipramine and norclomipramine to assist in optimizing the administered dose.
- **Lab Testing Sections:** Chemistry - Sendouts
- **Referred to:** MedTox Laboratories (MedTox Test: 890)
- **Phone Numbers:**
  - MIN Lab: 612-813-6280
  - STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 3 – 5 days
- **Special Instructions:** No Gel tubes required.

**Specimen**

- **Specimen Type:** Blood
- **Container:** Red top (NO GEL) tube or Green top (Lithium heparin NO GEL) tube
- **Draw Volume:** 6 mL (Minimum: 0.6 mL) blood
- **Processed Volume:** 2 mL (Minimum: 0.2 mL) serum/plasma
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

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<th>Interpretive</th>
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<tr>
<td>Reference Range:</td>
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<td>Clomipramine:</td>
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<tr>
<td>Desmethylclomipramine:</td>
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| Critical Values: |
| Clomipramine: | Critical high: 400 ng/mL |
| Desmethylclomipramine: | Critical high: 600 ng/mL |

Limitations: Trough levels are most reproducible.

Methodology: Liquid chromatography/Tandem Mass Spectrometry (LC/MS/MS)

References: MedTox Laboratories (November 2017)

10/11/04: CPT change from 82491 to 80299. Minimum volume changed from 1.2 to 1.1 mL.
3/14/2012: Test moved from Mayo Medical Laboratories to MedTox. Note ref range, CPT and method changes.
2/1/2016: CPT update