
Lab Dept: Chemistry

Test Name: CLOMIPRAMINE LEVEL

General Information

Lab Order Codes: CLOM

Synonyms: Anafranil®; Desmethylclomipramine

CPT Codes: 80335 – Antidepressants, tricyclic and other cyclical; 1 or 2
OR
G0480 – Drug, test, definitive (if appropriate)

Test Includes: Clomipramine and Desmethylclomipramine 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

Interpretive

Reference Range:	Clomipramine:	70 – 200 ng/mL
	Desmethylclomipramine:	150 – 300 ng/mL
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)
Updates:	<p>4/22/2004: Test moved from MedTox Laboratories to Mayo Medical Laboratories.</p> <p>10/11/04: CPT change from 82491 to 80299. Minimum volume changed from 1.2 to 1.1 mL.</p> <p>3/14/2012: Test moved from Mayo Medical Laboratories to MedTox. Note ref range, CPT and method changes.</p> <p>2/1/2016: CPT update</p>