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 (Miniumum: 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:	4/22/2004: Test moved from MedTox Laboratories to Mayo Medical Laboratories. 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