
Lab Dept: Chemistry

Test Name: AMIODARONE LEVEL

General Information

Lab Order Codes: AMI

Synonyms: Cordarone®; Desethylamiodarone

CPT Codes: G0480 – Drug, test, definitive

Test Includes: Amiodarone and Desethylamiodarone concentrations in ng/mL.

Logistics

Test Indications: This test is useful for monitoring adequacy of blood concentration during Amiodarone therapy. The test may also be useful to evaluate patient compliance.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (Test# 10)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 2 days, test set up daily

Special Instructions: Trough levels should be obtained no less than 12 hours after the last dose.

Specimen

Specimen Type: Blood

Container: Red top, NO GEL tube
Alternate: Green, NO GEL top tube

Draw Volume: 6 mL (Minimum: 1 mL) blood

Processed Volume: 2 mL (Minimum: 0.3 mL) serum/plasma
Note: Submission of the minimum volume results in an elevated reporting range and inability to repeat analysis.

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove plasma 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:	Amiodarone	1000 – 2500 ng/mL
	Desethylamiodarone	No reference range available
Critical Values:	Amiodarone: ≥5000 ng/mL	
	Desethylamiodarone: No critical value	

Limitations: Amiodarone: Reporting limit 100 ng/mL
Desethylamiodarone: Reporting limit 100 ng/mL

Methodology: High Performance Liquid Chromatography (HPLC)

References: [MedTox Laboratories Web Page](#) (January 2015)

Updates: 3/8/2004: Test moved from MedTox Laboratories to Mayo Medical Laboratories. Note: Change in units from ng/mL to µg/mL.
5/31/2006: Test moved from Mayo Medical Laboratories to MedTox Laboratories. Note: Change in units from µg/mL to ng/mL. Tube type change from Lavender to Green/Red.
7/14/2010: Added minimum draw volume.
1/5/2015: CPT update
4/13/2015: Reference range update by MedTox, previously listed as 500-2500 ng/mL.
2/2/2016: CPT update
11/4/2016: Tube update, CPT update