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**Lab Dept:** Chemistry

**Test Name:** AMIODARONE LEVEL

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***General Information***

**Lab Order Codes:** AMI

**Synonyms:** Cordarone®; Desethylamiodarone

**CPT Codes:** G0480 – Drug, test, definitive

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

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***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.

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***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

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***Interpretive***

<b>Reference Range:</b>	Amiodarone	1000 – 2500 ng/mL
	Desethylamiodarone	No reference range available
<b>Critical Values:</b>	Amiodarone: $\geq 5000$ 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  $\mu\text{g/mL}$ .

5/31/2006: Test moved from Mayo Medical Laboratories to MedTox Laboratories. Note: Change in units from  $\mu\text{g/mL}$  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