
Lab Dept: Chemistry

Test Name: LIDOCAINE LEVEL

General Information

Lab Order Codes: LIDO

Synonyms: Xylocaine®

CPT Codes: 80176 - Lidocaine

Test Includes: Lidocaine level reported in ug/mL.

Logistics

Test Indications: Assessing optimal dosing during the acute management of ventricular arrhythmias following myocardial infarction or during cardiac manipulation during surgery. Assessing potential toxicity.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 60)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day, performed daily

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top NO GEL tube
Alternate: Green top NO GEL (Lithium heparin) tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum/plasma

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: Gross hemolysis; mislabeled or unlabeled specimens

Interpretive

Reference Range: 1.2 – 6.0 mcg/mL

Critical Values: >6.0 mcg/mL

Limitations: N/A

Methodology: Immunoassay (IA)

References: [MedTox Laboratories](#) December 2012

Updates:
1/14/2010: Plasma samples no longer accepted. Units change from ug/mL to mcg/mL.
12/17/2012: Testing moved from Mayo to MedTox. Note new reference ranges.
11/4/2016: Tube update