Lab Dept: Chemistry
Test Name: DIGOXIN LEVEL

General Information
Lab Order Codes: DIGO
Synonyms: Lanoxicaps®, Lanoxin®
CPT Codes: 80162 - Digoxin
Test Includes: Digoxin level reported in ng/mL.

Logistics
Test Indications: Cardiovascular therapeutic drug monitoring
Lab Testing Sections: Chemistry - Sendouts
Referred to: MedTox Laboratories (Test# 38)
Phone Numbers:
MIN Lab: 612-813-6280
STP Lab: 651-220-6550
Test Availability: Daily, 24 hours
Turnaround Time: 1 day
Special Instructions: Collect after a minimum of 6 hours post dose; trough levels are most reproducible.

Specimen
Specimen Type: Blood
Container: Red top NO GEL tube
Alternate: Green top NO GEL 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 limit and inability to repeat analysis.
Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove serum/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: 0.5 – 0.9 ng/mL

Note: Doses of digoxin that achieve a plasma concentration of drug in the range of 0.5 to 0.9 ng/mL are suggested for treatment of heart failure. Higher concentrations have not been shown to improve efficacy. (2013 ACCF/AHA Guideline for the Management of Heart Failure; Circulation, 2013: 128:e240-e327)

Critical Values: >2.4 ng/mL

Limitations: Reporting limit: 0.2 ng/mL

Methodology: Immunoassay (IA)

References: MedTox Laboratories Web Page (June 2017) [www.medtox.com](http://www.medtox.com)

Updates: 11/4/2016: Tube update
6/27/2017: Reference range update