
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

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