
Lab Dept: Chemistry

Test Name: LITHIUM, Serum

General Information

Lab Order Codes: LITH

Synonyms: Li, Eskalith®, Lithobid®

CPT Codes: 80178 - Lithium

Test Includes: Lithium, Serum in mmol/L

Logistics

Test Indications: For the monitoring of lithium therapy.

Lab Testing Sections: Chemistry - Minneapolis

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Within 2 hours of receipt at Minneapolis lab. Please note – additional time required for transport from off-site locations.

Special Instructions: **Do not** use Lithium Heparin tube.

Specimen

Specimen Type: Blood

Container: Red, marble or gold top tube preferred. (K2-EDTA or Sodium Heparin also acceptable)

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum

Collection: Routine venipuncture

Special Processing: **Do not** use Lithium Heparin tube.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens, lithium heparin tube.

Interpretive

Reference Range: 0.5 – 1.2 mmol/L (12 hour post dose/trough concentration)

Critical Values: >1.5 mmol/L

Limitations: N/A

Methodology: Colorimetric

References: Alinity Lithium Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, January 2018

Updates: 8/19/2024: New Assay