
Lab Dept: Chemistry

Test Name: CAFFEINE LEVEL

General Information

Lab Order Codes: CAFM

Synonyms: N/A

CPT Codes: 80155 - Caffeine

Test Includes: Caffeine level in ug/mL

Logistics

Test Indications: Useful for therapeutic drug monitoring for treatment of neonatal apnea.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (Test: 18)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: Trough levels are most reproducible

Specimen

Specimen Type: Blood

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

Draw Volume: 3 mL (Minimum: 0.3 mL) blood

Processed Volume: 1 mL (Minimum: 0.1 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 aliquot into a screw-capped round bottom plastic vial. Ship and store at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range: Therapeutic concentration: 8 - 20 ug/mL

Critical Values: >30 ug/mL

Limitations: Reporting limit: 0.5 ug/mL

Methodology: Immunoassay (IA)

References: [MedTox Laboratories Web Page](#) December 2017

Updates: 11/16/2016: Tube update to NO GEL.
12/21/2017: Min vol update