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

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**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](MedTox Laboratories Web Page) December 2017

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