Lab Dept: Chemistry
Test Name: IBUPROFEN LEVEL

General Information
Lab Order Codes: IBUP
Synonyms: Advil®, Motrin®, Nuprin®, Rufen®
CPT Codes: G0480 – Drug, test, definitive
Test Includes: Ibuprofen level reported in ug/mL.

Logistics
Test Indications: Anti-inflammatory, Analgesic therapeutic drug monitoring
Lab Testing Sections: Chemistry - Sendouts
Referred to: MedTox Laboratories (MedTox Test: 58)
Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550
Test Availability: Daily, 24 hours
Turnaround Time: 3 days
Special Instructions: Trough levels are most reproducible; serial levels in treatment of cystic fibrosis.

Specimen
Specimen Type: Blood
Container: Red top NO GEL tube
Alternate: Green top NO GEL (Li Heparin) tube
Draw Volume: 3 mL (Minimum: 0.5 mL) blood
Processed Volume: 1 mL (Minimum: 0.1 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.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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**Interpretive**

**Reference Range:** 10.0 – 50.0 ug/mL

**Critical Values:** >500 ug/mL

**Limitations:** Reporting limit: 1.0 ug/mL

**Methodology:** High Performance Liquid Chromatography with Ultraviolet Detection (HPLC-UV)

**References:** Medtox Laboratories Web Page December 2017

**Updates:**
- 1/5/2015: CPT update
- 2/4/2016: CPT update
- 11/16/2016: Update CPT, tube to NO GEL