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**Lab Dept:** Chemistry

**Test Name:** IBUPROFEN LEVEL

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***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.

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***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.

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***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

<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	10.0 – 50.0 ug/mL
<b>Critical Values:</b>	>500 ug/mL
<b>Limitations:</b>	Reporting limit: 1.0 ug/mL
<b>Methodology:</b>	High Performance Liquid Chromatography with Ultraviolet Detection (HPLC-UV)
<b>References:</b>	<a href="#">Medtox Laboratories Web Page</a> December 2017
<b>Updates:</b>	1/5/2015: CPT update 2/4/2016: CPT update 11/16/2016: Update CPT, tube to NO GEL