
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

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