
Lab Dept: Chemistry

Test Name: BUPIVACAINE LEVEL

General Information

Lab Order Codes: BUPI

Synonyms: Marcaine®

CPT Codes: G0480 – Drug, test, definitive

Test Includes: Bupivacaine concentration measured in ug/mL.

Logistics

Test Indications: Useful to monitor therapeutic concentration. Assessment of possible CNS or cardiac toxicity associated with use of bupivacaine or levobupivacaine.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: FMARC) Forward to MedTox Laboratory

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 5 - 11 days, performed daily

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top NO GEL tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot. Store and ship specimen at frozen temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	0.4 – 4.0 ug/mL
Critical Values:	N/A
Limitations:	N/A
Methodology:	Liquie Chromatography- Tandem Mass Spectrometry (LC/MS/MS)
References:	Mayo Medical Laboratories Web Page (December 2017)
Updates:	5/18/2009: Mayo moved test from a forward to MedTox to being performed internally at MML. Previously test: 91093 1/7/2015: CPT update 2/2/2016: CPT update 11/16/2016: Tube update to NO GEL, CPT update 12/17/2017: Move to Medtox, updated method.