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**Lab Dept:** Chemistry

**Test Name:** BUPIVACAINE LEVEL

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***General Information***

**Lab Order Codes:** BUPI

**Synonyms:** Marcaine®

**CPT Codes:** G0480 – Drug, test, definitive

**Test Includes:** Bupivacaine concentration measured in ug/mL.

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***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

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***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

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

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### ***Interpretive***

<b>Reference Range:</b>	0.4 – 4.0 ug/mL
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Liquie Chromatography- Tandem Mass Spectrometry (LC/MS/MS)
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> (December 2017)
<b>Updates:</b>	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.