



Test Update 912

Posted Date 06/25/2025

Effective Date 06/24/2025

Test Name [Butabarbital, Serum or Plasma](#)

Update Type [New Tests](#)

CPT Code 80299

NEW TEST

Butabarbital, Serum

Order Code: BTBAS

Fee Code: AB198 (CPT 80299)

Reference Laboratory: Mayo BTBAS

Mayo Clinic Laboratories will begin offering Butabarbital, Serum by Gas Chromatography Mass Spectrometry (GC-MS) for use in monitoring of butabarbital therapy effective July 24, 2025. This test is currently forwarded to MedTox.

Collection Instructions: Collect specimen in a red top tube. DO NOT USE SST TUBE. Centrifuge within 2 hours of specimen collection, aliquot 1.5 mL (minimum 0.6 mL) of serum into a plastic vial, and refrigerate.

Reference Range: Therapeutic range: 2.0 – 3.0 mcg/mL (hypnosis); 25 mcg/mL (sedation/sleep); >30 mcg/mL (coma). Toxic concentration: >50 mcg/mL. The concentration at which toxicity occurs varies, and results should be interpreted in light of the clinical situation. Cutoff level: 0.5 ng/mL.

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