
Lab Dept: Chemistry

Test Name: TIAGABINE LEVEL

General Information

Lab Order Codes: TIAG

Synonyms: Gabitril®

CPT Codes: 80199 – Tiagabine

Test Includes: Tiagabine (Gabitril®) level measured in ng/mL.

Logistics

Test Indications: Antiepileptic (anticonvulsant) drug monitoring

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: 409)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 days

Special Instructions: Trough levels are most reproducible.

Specimen

Specimen Type: Blood

Container: Red top NO GEL tube
Alternate tube: Green top NO GEL (Lithium heparin) tube

Draw Volume: 9 mL (Minimum: 4.5 mL) blood

Processed Volume: 3 mL (Minimum: 1.5 mL) serum/plasma

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. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range: <235.0 ng/mL

Critical Values: N/A

Limitations: Reporting limit: 5.0 ng/mL

Therapeutic and toxic ranges have not been established. Peak concentrations are expected at 45 minutes post dose: steady state is generally attained within 2 days. Observed tiagabine concentrations in clinical trials (30-56 mg/day): <1-234 ng/mL. Measured tiagabine concentrations post marketing (95% confidence interval): 0-440 ng/mL. Note: The 95% confidence interval for tiagabine concentrations determined by MEDTOX Laboratories will be updated periodically as more information becomes available.

Methodology: Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

References: [MedTox Laboratories](#) August 2015

Updates: 1/7/2015: CPT update
11/16/2016: Tube update to NO GEL.