

HOTLINE: Effective November 14, 2022

New Test **3005859** **Sertraline, Serum or Plasma** **SERTRAL SP**

Methodology: Liquid Chromatography-Tandem Mass Spectrometry
Performed: Wed
Reported: 1-8 days

Specimen Required: Patient Prep: Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration.
Collect: Plain red. Also acceptable: Lavender (K₂ or K₃EDTA) or pink (K₂EDTA).
Specimen Preparation: Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 0.5 mL)
Storage/Transport Temperature: Refrigerated.
Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).
Stability (collection to initiation of testing): After separation from cells: Ambient: 24 hours; Refrigerated: 2 weeks; Frozen: 4 months

Reference Interval:

Therapeutic Range:	30–200 ng/mL
Toxic:	Greater than 300 ng/mL

Interpretive Data:

Sertraline is a selective serotonin reuptake inhibitor antidepressant drug indicated for the treatment of major depressive disorder, obsessive-compulsive disorder, posttraumatic stress disorder, social anxiety disorder, and premenstrual dysphoric disorder. Sertraline doses range from 50-200 mg/day to produce serum concentration that range from 30-200 ng/mL. Dosing above 200 mg/day may increase the risk of adverse effects. Adverse effects may include dry mouth, headache, dizziness, fatigue, somnolence, tremor, nausea, and diarrhea. The risk of serotonin syndrome is increased with concomitant use of other serotonergic drugs. Concomitant use of sertraline with anticoagulants and nonsteroidal anti-inflammatory drugs may increase the risk of bleeding.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

CPT Code(s): 80332 (Alt code: G0480)

New York DOH Approved.

HOTLINE NOTE: Refer to the Test Mix Addendum for interface build information.