

TEST CHANGE

Serotonin, Serum

0080397, SEROT-SER

Specimen Requirements:

Patient Preparation: Abstain from medications for 72 hours prior to collection.

Collect: Serum Separator Tube(SST).

Specimen Preparation: Separate from cells within 1 hour of collection. Transfer 0.5 mL serum to an ARUP Standard Transport Tube. (Min: 0.2 mL)

Transport Temperature: Frozen. Separate specimens must be submitted when multiple tests are ordered.

Unacceptable Conditions: Specimens other than serum. Non-frozen specimens.

Remarks:

Stability: After separation from cells: Ambient: Unacceptable; Refrigerated: 24 hours; Frozen: 1 month

Methodology: Quantitative High Performance Liquid Chromatography [\(HPLC\)](#)

Performed: [Mon.](#), [Wed.](#), [Thu.](#), [Sun.](#), [Tue-Fri.](#), [Sat](#)

Reported: 1-5 days

Note: Medications that may affect serotonin concentrations include lithium, MAO inhibitors, methyl dopa, morphine, and reserpine. In general, foods that contain serotonin do not interfere significantly. Slight increases may be seen in acute intestinal obstruction, acute MI, cystic fibrosis, dumping syndromes, and nontropical sprue. Metastasizing abdominal carcinoid tumors often show serotonin concentrations greater than 400 ng/mL. In general, EDTA whole blood (as compared to serum) preserved with ascorbic acid will give values most representative of blood concentrations. Most (95 percent) of blood serotonin is found in platelets. Refer to Serotonin, Whole Blood (ARUP test code 0080395).

CPT Codes: 84260

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

This test was developed and its performance characteristics determined by ARUP Laboratories. It

has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Reference Interval:

50-220 ng/mL
