

Serotonin Release Assay, Unfractionated Heparin, Mass Spectrometry, Serum

Test ID: SRAU

Useful for:

Detecting heparin-dependent platelet activating antibodies implicated in the pathogenesis of heparin-induced thrombocytopenia

Methods:

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

Reference Values:

Low Heparin Serotonin Release: <20%

High Heparin Serotonin Release: <20%

Serotonin Release Assay Result: Negative

Specimen Requirements:

Collection Container/Tube: Red top (serum gel/SST are **not** acceptable)

Submission Container/Tube: Plastic vial

Specimen Volume: 1.0 mL

Collection Instructions:

1. After collection, specimen should sit at ambient temperature for a minimum of 1 hour in order to clot completely.
2. Centrifuge and aliquot serum into a plastic vial.

Specimen Stability Information: Frozen (preferred) 2 years/Refrigerate 7 days

Minimum Volume: 1.0 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum Red	Frozen (preferred)	
	Refrigerated	7 days

Cautions:

Ticagrelor use by the patient may result in a false-negative serotonin release assay (SRA) result.

A negative SRA result makes the diagnosis of HIT less likely, however, SRA negative patients with bonafide clinical HIT in whom the SRA result may turn positive on subsequent testing have been reported in the literature.

CPT Code:

82542

Day(s) Performed: Monday through Friday **Report Available:** 1 to 3 days

Questions

Contact Bonnie Meyers, Laboratory Technologist Resource Coordinator at 800-533-1710.