

Serotonin Release Assay, Unfractionated Heparin,
Mass Spectrometry, Serum

Patient ID SA00152705	Patient Name TESTINGRNV, SRAU	Birth Date 1981-01-01	Sex M	Age 41
Order Number SA00152705	Client Order Number SA00152705	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 22 May 2022 00:00		

Serotonin Release Assay, UFH, MS, S

Result Name	Value	Unit	Reference Value	Performing Site
Low Heparin Serotonin Release	<5	%	<20	MCR
High Heparin Serotonin Release	<5	%	<20	MCR
Serotonin Release Assay Result	Negative		Negative	MCR

Interpretation

MCR

Serotonin release induced by patient serum in presence of low (0.1 U/mL) concentration of unfractionated heparin was less than 20% of total serotonin release from normal donor platelets. This result provides no evidence for presence of heparin dependent, platelet activating antibodies in this patient serum specimen and thus does not support a diagnosis of heparin induced thrombocytopenia (HIT).

Comment

MCR

Although a negative serotonin release with this serum specimen makes the diagnosis of heparin induced thrombocytopenia (HIT) less likely, correlation with clinical pretest probability and results of ELISA based HIT assay, if performed, is recommended. If indicated, consider repeat testing. Note: There are literature reports of SRA negative patients with bonafide clinical HIT in whom the SRA subsequently turns positive. In addition, false negative SRA test results may occur in patients on ticagrelor.

Disclaimer

1 MCR

A portion of testing was performed at Mayo Clinic Labs- Rochester Superior Drive (CLIA # 24D1040592), 3050 Superior Drive NW, Rochester, MN. 55901.

Received: 23 May 2022 11:16

Reported: 23 May 2022 11:20

Laboratory Notes

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292