

News

Clinical Laboratory Test Update

Heparin Induced Thrombocytopenia (HIT) Test

Effective, November 12, 2019, the University of Colorado Hospital Clinical Laboratory has implemented a Heparin Induced Thrombocytopenia (HIT) test change due to new instrument methodology. Note change in sample type to blue top tube, sodium citrate.

	OLD	NEW
Test name	Heparin Induced Thrombocytopenia (HIT Reflex), if HIT positive, reflex to SRA	HIT (heparin-induced thrombocytopenia) antibody, if HIT positive, reflex to SRA
EAP	LAB3483	LAB3483
Collect	One 5.0 mL gold or red top with gel (SST), clot activator serum.	One 3.0 mL blue top tube (sodium citrate) with a tube fill volume of 90 – 100%
Storage/Transport	Deliver to lab immediately at ambient temperature.	Deliver to lab immediately at ambient temperature.
	Offsite: Centrifuge within 30 minutes of collection, place at least 0.5 mL of plasma into TWO separate aliquot containers and transport to lab frozen	Offsite: Centrifuge sample to obtain platelet poor plasma, aliquot 1.5 mL of plasma and transport frozen.
Stability	Before Centrifugation (whole blood), Ambient: 1 hour After Centrifugation (serum), ambient, 12 hours	Before Centrifugation (whole blood), Ambient: 1 hour After Centrifugation (plasma): Ambient: 1 hour, Frozen: 2 weeks
Method	ELISA (PF4 enhanced IgG ELISA assay)	Latex Immunoturbidimetric (Latex-enhanced immunoassay for the determination of anti-platelet factor 4 (PF-4) antibodies)
Performed	Monday through Friday, day shift. Samples must be received in lab by 11:00 a.m. for same day testing.	Sunday through Saturday (8am – 8pm)
Reported	1 – 3 days	1 day
Reference Interval	Negative	Negative
CPT	86022, if HIT is positive, reflex to Serotonin Release Assay (SRA) 86022-59. SRA testing is sent to our reference lab, ARUP, and reported within 2-4 days.	86022, if HIT is positive, reflex to Serotonin Release Assay (SRA) 86022-59. SRA testing is sent to our reference lab, ARUP, and reported within 2-4 days.

Please contact Stuart Lind, MD, at 303-724-1383 if you have any questions, or visit our website at <https://www.uchealth.org/professionals/Pages/Clinical-Laboratory.aspx> for additional information.

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