

☒NEW TEST ☒TEST CHANGE

NOTIFICATION DATE: 03/27/2023

EFFECTIVE DATE: 04/11/2023

Serotonin Releasing Assay (SRA)

On the effective date, Northwell Health Laboratories will transition to a reduced run schedule of 2 days per week for the Serotonin Releasing Assay (SRA) test performed by Versiti Diagnostics Laboratories. This is due to ongoing nationwide supplier constraints. We are unable to confirm when the SRA assay will resume its standard schedule of 6 days per week.

Northwell Health Laboratories recommends the **Heparin-Induced Thrombocytopenia-PEA Assay** performed at Versiti Diagnostic Laboratories as a time-sensitive alternative. The turnaround time for this assay is 48 hours and performed 6 days a week.

Clinical considerations for this assay include:

- The PEA is equivalent to the SRA as a functional assay for the laboratory evaluation of patients with suspected heparin induced thrombocytopenia (HIT). (1)
- The PEA performed at Versiti has an industry-leading turnaround time (48 hours), minimizing the time patients remain on alternative anticoagulation. Parenteral direct thrombin inhibitors have high associated bleeding risk in patients with suspected HIT. (2)
- HIT remains a clinico-pathologic diagnosis and functional assays are best utilized in patients with an intermediate or high pre-test (clinical) probability of HIT when PF4 serology is indeterminate.

| Test Requirement/Parameters | Recommended Alternative Assay Heparin-Induced Thrombocytopenia- PEA Assay | Current Assay (Reduced Run Schedule) Serotonin Releasing Assay |
|-----------------------------|---|--|
| Method | Flow Cytometry | Serotonin Release Assay |
| Specimen Requirements | 5 mL serum (1 mL min.) | 5 mL serum (1 mL min.) |
| Test performance | 6 days per week | 2 days per week |
| Submission Container/Tube | Red Top Tube | Red Top Tube |
| Turn Around Time | 48 hrs | 1-3 days |
| Specimen Stability | Sample should be spun down and taken off the clot. Plasma is NOT acceptable. Sample must be received within 7 days of draw date if refrigerated. Send samples refrigerated. | Samples should be spun down and taken off the clot. Sample must be received within 7 days of draw date if refrigerated. Send samples refrigerated. |
| Reference Range | See Report | See Report |
| Computer Interface Code | PDM #235702 | PDM #5910036 |
| Test Order | PEA | SRA |

References

1. Samuelson Bannow et al A prospective, blinded study of a PF4-dependent assay for HIT diagnosis. *Blood* 2021; 137 (8): 1082–1089. doi: <https://doi.org/10.1182/blood.2020008195>
2. Rivner H, Parmar R, Cardoso R, et al. a meta-analysis of bivalirudin versus argatroban for the treatment of heparin-induced thrombocytopenia. *J Am Coll Cardiol*. 2017 Mar, 69 (11_Supplement) 2064. [https://doi.org/10.1016/S0735-1097\(17\)35453-0](https://doi.org/10.1016/S0735-1097(17)35453-0)



If you have any questions, please contact Client Services at (800) 472-5757

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