December 18, 2025

HEMATOLOGY

Lupus Anticoagulant

Date effective: December 22, 2025

Background Information: Provincially standardized Lupus Anticoagulant testing, currently performed at the Health Sciences Centre Hemostasis Laboratory, utilizes two assays in the testing algorithm (Dilute Russell Viper Venom [DRVV] and Time and lupus-sensitive APTT [PTT-LA] with and without added phospholipids). The existing PTT-LA assay will transition to a Hexagonal Phase Phospholipid PTT-LA kit assay (Precision Biologic, HEXLA kit). This test utilizes the Werfen (previously known as Instrumentation Laboratory or IL) ACL TOP series coagulation analyzers.

Clinical Practice Change:

- **PTT-LA results utilizing the HEXLA kit are reported as the Delta value (change in value) between the PTT-LA Start (Lupus sensitive APTT) and PTT-LA Correct (Lupus sensitive APTT with added hexagonal phospholipid).**
  - **'PTT-LA Delta' value is reported in seconds(s).**
  - **The reference range is ≤10.9(s).**
  - **PTT-LA Delta is reported on the patient report when it exceeds the reference range.**
  - **PTT-LA Test Ratios are not performed and will no longer appear on patient reports.**
- **Lupus Anticoagulant interpretation will continue to be reported as 'Demonstrated' or 'Not Demonstrated' on all requests.**

References/Resources:

Please refer to the Laboratory Information Manual (LIM) Lab Information Manual

System Improvements:

- Streamlined laboratory workflow for Lupus Anticoagulant testing and consumables.
- Improved turnaround time for result reporting.
- Improved utilization of laboratory resources.

Contact Information:

- **Dr. Sara Israels, Hemostasis Laboratory Director, Shared Health**
  sisraels@cancercare.mb.ca
- **Andrew Hartel, Provincial Technical Director, Hematology, Shared Health**
  ahartel@sharedhealthmb.ca 204-599-3275
- **Dr. Ping Sun, Provincial Medical Director, Hematology, Shared Health**
  psun@sharedhealthmb.ca 204-787-4682