

DATE:	12 November 2024
TO:	All Provincial Physicians, Nurses, Pharmacists
FROM:	Alberta Precision Laboratories, Special Coagulation
RE:	ADAMTS13 Activity and Antibody Provincial Standardization

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Key Message

- All ADAMTS13 Activity and ADAMTS13 Antibody testing will be consolidated in the Special Coagulation Laboratory at the University of Alberta Hospital in Edmonton.
- Only the ADAMTS13 Activity will be Orderable in Connect Care. Reflex ADAMTS13 Antibody testing will be performed when Activity is <0.20 U/mL (ie. $<20\%$).

Background

- Previously in Calgary the “ADAMTS-13 Activity and Inhibitor” tests were performed externally (at MitogenDx Laboratories) as a single panel. Both the ADAMTS13 Activity and the ADAMTS13 Inhibitor (Anti-IgG titer) were performed with every collection.
- Previously in Edmonton the ADAMTS13 Activity test was performed locally, and an ADAMTS13 Inhibitor (functional Bethesda type) assay was sent out-of-province in select cases.

How this will impact you

- The new ADAMTS13 assays are:
 - The TECHNOZYM ADAMTS13 Activity assay which is the same method previously used in both Edmonton and Calgary.
 - The TECHNOZYM ADAMTS13 INH ELISA, which is the same method previously used in Calgary but will now be resulted under a different name (ADAMTS13 Antibody).
 - External and out-of-province testing will no longer be necessary.
- Turn-Around Times for ADAMTS13 Activity from the time of collection:
 - ADAMTS13 Activity STAT orders: 24-48 hours during regular business days (excludes weekends and holidays).
 - ADAMTS13 Activity Routine orders: 2 weeks
- Turn-Around Time for ADAMTS13 Antibody will be 1 week after ADAMTS13 Activity is resulted.

Action Required

- When ordering ADAMTS13 Activity please specify priority per:
 - **STAT** – only in the first sample collection instance of suspected new/relapsed acute Thrombotic Thrombocytopenic Purpura (TTP) cases.
 - **Routine** – in all other circumstances, including:



- All subsequent samples collected in acute TTP.
 - TTP in remission.
 - Thrombotic Microangiopathy on tissue biopsy without active hemolysis.
- STAT orders may be converted to Routine, by laboratory personnel, if the above conditions are not met.

Effective November 25, 2024

Questions/Concerns

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