

DATE:	2022 February 7
TO:	All AHS Zones, Physicians / Nurses / Managers; APL Managers, Supervisors, and Medical/Scientific Staff
FROM:	Chemistry and Point of Care Testing (POCT), Alberta Precision Laboratories
RE:	Addition of Abbott i-STAT1 Troponin I Critical Value

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- **Effective February 15, 2022**, a critical value will be assigned to the Abbott i-STAT1 conventional cardiac troponin I (TnI) at above 0.1 µg/L.

Background

- The designation of a critical value follows the change in the i-STAT1 positive cut-off to 0.05 on August 23, 2021 (see bulletin at <https://www.albertahealthservices.ca/assets/wf/lab/if-lab-hp-bulletin-change-in-abbott-i-stat1-conventional-troponin-i-cut-off.pdf>). The reporting cutoffs and comments remain unchanged.

How this will impact you

- Results between 0.05 and 0.10 µg/L will be flagged as high.
- Results above 0.10 µg/L will be flagged as critical.

Action Required

- Be aware of these reporting changes and understand how they will impact clinical management.
- Results above 0.10 µg/L will continue to be phoned to the ordering physician for outpatients, and on inpatients in select rural hospitals based on local agreements with the medical staff.
- When performed as POCT, clinical end users will follow the [critical value notification policy](#).

Effective February 15, 2022

Questions/Concerns

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Approved by

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