

DATE:	16 October 2023
TO:	All Healthcare Professionals and Providers
FROM:	Clinical Biochemistry, Alberta Precision Laboratories (APL)
RE:	Update of Interpretive Comment for B-Natriuretic Peptide (BNP)

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- The interpretative comment for BNP is being updated to align with most recent Canadian Cardiovascular Society guidelines for heart failure.

Current interpretive comment	New interpretive comment
In the presence of appropriate clinical evaluation, the diagnosis of heart failure is: < 100 ng/L Unlikely 100 to 500 ng/L Possible, but other diagnoses must be considered > 500 ng/L Very likely 2014 CCS HF Guidelines, CJC 2015	In an acute setting in the presence of appropriate clinical evaluation, the diagnosis of heart failure is: BNP < 100 ng/L: Unlikely BNP 100 to 400 ng/L: Possible, but other diagnoses must be considered. BNP >400 ng/L: Very likely 2017 CCS HF Guidelines, CJC 2017

Background

- In 2017 the Canadian Cardiovascular Society (CCS) published updated comprehensive guidelines for heart failure,¹ including updated guidance for interpretation of natriuretic peptides (BNP and NT-proBNP)
- Interpretative comments for NT-proBNP have previously been updated to reflect the 2017 guidelines.

Action Required

- Be aware of the updated interpretation information for BNP in the acute care setting.

Effective

- October 16, 2023

Questions/Concerns

- Dr. Miranda Brun, Clinical Biochemist, APL, 780-722-3123 or Miranda.Brun2@aplabs.ca

Approved by

- Dr. Kareena Schnabl, Section Chief, Clinical Biochemistry, APL
- Dr. Allison Venner, Associate Section Chief, Clinical Biochemistry, APL
- Dr. Michael Mengel, Associate Medical Director, North Sector
- Dr. Paul Klonowski, Associate Medical Director, South Sector

Reference:

- Ezekowitz, J.A. et al., Can J Cardio 33 (2017); 1342-1433.

Effective September 1, 2023, APL has become the sole provider of all public lab services in Alberta. As a result, community lab services formally provided by DynaLIFE Medical Labs will become the responsibility of Alberta Precision Labs (APL). This change impacts all zones.