

DATE:	5 SEPTEMBER 2022
TO:	Edmonton, North, and Central Zones
FROM:	DynaLIFE Medical Labs and Alberta Precision Laboratories
RE:	Update to homocysteine reference intervals and reportable range (only applicable to locations that send testing to DynaLIFE)

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Key Message

- Effective September 7, 2022 the method used to measure homocysteine at DynaLIFE will change. This change is being made to extend the upper reportable limit of homocysteine to provide quantitative results up to 500 µmol/L. Due to the difference in homocysteine results obtained on the two methods, the homocysteine reference interval will also change.

Background

- The upper reportable limit for homocysteine on the previous method was 65.0 µmol/L. Samples with homocysteine >65.0 µmol/L were sent to another laboratory to obtain quantitative results, prolonging turnaround time
- Measuring homocysteine on the new method will extend the upper reportable limit for homocysteine from 65.0 µmol/L to 500 µmol/L with dilution
- Homocysteine results differ between the old and new method, requiring a new reference interval

How this will impact you

- The reference interval and upper reportable limit for homocysteine will change

Parameter	Previous State	New State
Reference Interval	3.7 – 13.9 µmol/L	3.1 – 10.8 µmol/L
Upper Reportable Limit	65.0 µmol/L	500 µmol/L

Action Required

- Be aware of the new homocysteine reference interval and upper reportable limit

Questions/Concerns

- DynaLIFE Clinical Chemists, 780-451-3702 ext. 3572, clinical.chemists@dynalife.ca

Approved by

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