



Date: October 5, 2020
To: North Zone Physicians, Laboratory Directors, Managers, Supervisors
From: Clinical Biochemistry, North Sector, Alberta Precision Laboratories (APL)
Re: Changes to Reference Intervals of Albumin on Vitros Analyzers

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Key Message:

- Effective **October 6th, 2020**, reference intervals for albumin performed on Vitros analyzers (bromocresol green or BCG method) will be changed to the following range:

Analyte	Age	Reference Interval	Units	Gender
Albumin	0 up to 1 Years	30 – 50	g/L	M, F & U/X
	1 Years up to Unspecified	35 – 50	g/L	M, F & U/X

- Results obtained on Vitros analyzers will be accompanied by the comment:
 - *Albumin measured using bromocresol green (BCG) method. Note method-specific reference interval*

Why this is Important:

- Due to the positive bias demonstrated by BCG method, the lower limit of albumin reference interval was adjusted for Vitros analyzers to differentiate from other platforms used in the province
- This change allows more appropriate identification of hypoalbuminemia in patient samples tested on Vitros BCG method

Action Required:

- Please be aware of the changes in reference intervals of albumin obtained on Vitros platform (BCG method).

Inquiries and feedback may be directed to:

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This bulletin has been reviewed and approved by:

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- Michael Mengel, MD, North Sector Medical Director