

DATE:	2021 November 1
TO:	All Central Zone Physicians and Healthcare Providers
FROM:	Clinical Biochemistry, North Sector, Alberta Precision Laboratories (APL)
RE:	Changes to Reference Intervals of Alanine Aminotransferase and Aspartate Aminotransferase

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Key Message

- Effective **November 4, 2021**, reference intervals for the following analytes at testing sites of Central Zone will be updated to reflect the new provincial reference intervals:
 - Alanine Aminotransferase (all Vitros-equipped labs of Central Zone, North Sector)
 - Aspartate Aminotransferase (St. Mary's Hospital, Camrose and Wainwright Health Centre)

Analyte	Age	Reference Interval	Units	Gender	Critical Value
Alanine Aminotransferase (ALT)	<18 Years	< 40	U/L	M, F & U	N/A
	≥18 Years	< 70	U/L	M & U	N/A
	≥18 Years	< 50	U/L	F	N/A
Aspartate Aminotransferase (AST)	<30 days	< 115	U/L	M, F & U	N/A
	30 days to 364 days	< 80	U/L	M, F & U	N/A
	1 Year to <7 Years	< 60	U/L	M, F & U	N/A
	7 Years to <18 Years	< 45	U/L	M, F & U	N/A
	≥18 Years	< 55	U/L	M & U	N/A
	≥18 Years	< 45	U/L	F	N/A

Why this is Important

- New provincial reference intervals are evidence-based and have been developed based on the statistics obtained from the provincial population.

Action Required

- Please be aware of the changes in reference intervals.

Inquiries and feedback may be directed to

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This bulletin has been reviewed and approved by

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