

<b>DATE:</b>	25 May 2026
<b>TO:</b>	Calgary Zone and South Zone: Physicians, Nurses, and Healthcare Providers
<b>FROM:</b>	Clinical Biochemistry, Hub Lab South Sector, Alberta Precision Laboratories (APL)
<b>RE:</b>	<b>Reference Interval Change: Parathyroid Hormone (PTH)</b>

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### Key Message

- Effective **May 26, 2026**, an updated reference interval will be in place for parathyroid hormone (PTH) testing performed at the Alberta Precision Laboratories (APL) Calgary Hub Lab.

Reference Interval	Current	New
Parathyroid Hormone (PTH)	15 – 57 ng/L	<b>15 – 70 ng/L</b>

- This change does not affect intra-operative PTH test results or PTH testing performed at the Edmonton Hub Lab.

### Background

- PTH testing performed at the Calgary Hub Lab uses a third-generation Roche Diagnostics PTH assay which was implemented on December 5, 2022. The reference interval recommended by the manufacturer was adopted at the time of implementation.
- A subsequent local reference interval study performed by APL, along with clinical consultation and literature review, supports implementation of this new reference interval.
- PTH testing performed at the Edmonton Hub Lab as well as all intra-operative PTH testing in the province use a second-generation Roche Diagnostics assay. The reference interval of this assay is unaffected by this change.

### Action Required

- Be aware of changes to the PTH reference interval.

**Effective      May 26, 2025**

### Questions/Concerns

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### Approved by

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