

DATE:	24 March 2025
TO:	All Healthcare Providers in Central, Edmonton, and North Zone
FROM:	Clinical Biochemistry, Alberta Precision Laboratories (APL)
RE:	Change to the 25-Hydroxy Vitamin D Method at the University of Alberta Hospital (UAH)

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Key Message

- Effective March 24, 2025, the UAH Special Chemistry laboratory will be temporarily switching the method used for 25-Hydroxy Vitamin D testing.

Background

- The current 25-Hydroxy Vitamin D method using liquid chromatography-mass spectrometry (LC-MS) will be switched to an immunoassay on the Roche instrument.
- The LC-MS instrument is approaching the end of its lifespan and will soon be replaced.
- The Roche assay will be used as a backup while the new LC-MS instrument undergoes validation.

How this will impact you

- Results on the Roche assay are similar to LC-MS, but variation may be seen on some specimens.
- The reference interval and classifications used for sufficiency interpretation remain the same.
- The lower and upper reporting limits will change.
 - Results less than 10 nmol/L will be reported as <10 nmol/L and results greater than 600 nmol/L will be reported as >600 nmol/L.

Action Required

- Be aware of the change to a different method for 25-Hydroxy Vitamin D at UAH.
- Patients being monitored should have 25-Hydroxy Vitamin D levels re-baselined using the new method.
- Refer to the [Test Directory](#) for specimen collection and reporting information.

Questions/Concerns

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Approved by

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