

CLIENT NOTICE:**25-OH Vitamin D testing update**

Effective **February 14th, 2022** LifeLabs will introduce a new method for 25-OH Vitamin D. The new method shows improved precision. Patient results are equivalent to the previous method, confirmed by the LifeLabs validation, and individual results are not expected to change.

What is changing:

The new Abbott Architect 25-OH Vitamin D method is housed in the LifeLabs high volume chemistry laboratory. This provides improvements in testing automation and in specimen collection by allowing consolidation of 25-OH Vitamin D collection tube with the other high volume chemistry tests. A separate collection tube for 25-OH Vitamin D will no longer be required.

LifeLabs has reviewed the interpretation guide reported with the 25-OH Vitamin D results in view of the recent recommendations for deficiency and toxicity¹⁻³. The updated interpretation guide will be provided on all patient reports:

- Vit D Severe Deficiency: < 25.0 nmol/L
- Vit D Deficiency: 25.0 – 74.0 nmol/L
- Vit D Sufficiency: 75.0 – 250.0 nmol/L
- Vit D Toxicity: > 375.0 nmol/L

What is not changing - a reminder:

- 25-OH vitamin D is insured under the Ontario Ministry of Health for specific medical conditions⁴
 - Osteoporosis and Osteopenia
 - Rickets
 - Malabsorption Syndromes
 - Renal Disease
 - Patients on medications that affect vitamin D metabolism
- For all other reasons the patient must pay for the 25-OH vitamin D testing
- Required specimen: Serum
- Turnaround time: 1 day
- Reporting units: nmol/L

For further information, please contact one of the LifeLabs clinical biochemists below, or LifeLabs Customer Care Centre at 1-877-849-3637.

We welcome your feedback!

Andrew Don-Wauchope MD FRCPath FRCPE
Chemical Pathologist
Medical-Scientific Department - Ontario

Kika Veljkovic PhD FCACB
Discipline Head, High Volume Chemistry
Medical-Scientific Department - Ontario

References

1. Hanley D.A., Cranney A., Jones G., Whiting S.J., Leslie W.D., Cole D.E.C., Atkinson S.A.: Vitamin D in Adult Health and Disease; a review and guideline statement from Osteoporosis Canada. CMAJ 2010; 182: E610-E618.
2. Kahwati LC, LeBlanc E, Weber RP, Giger K, Clark R, Suvada K, et al. Screening for Vitamin D Deficiency in Adults. JAMA. 2021;325:1443–63.
3. Amrein K, Scherkl M, Hoffmann M, Neuwersch-Sommeregger S, Köstenberger M, Berisha AT, et al. Vitamin D deficiency 2.0: an update on the current status worldwide. Eur J Clin Nutr. 2020;74:1498–513.
4. [Vitamin D Testing - Ontario Health Insurance Plan - Ministry Programs - Public Information - MOHLTC \(gov.on.ca\)](#) (accessed 8 Feb 2022)