

## Memo

To: Stakeholders

From: Michelle Blake, Business Development Manager, LabPLUS

Date: 13 September 2021

Subject: Change to LDLc Calculation

---

Dear Customer(s),

The calculation for LDLc will be updated on 21 September 2021.

This follows discussion at the Auckland Regional Laboratory Quality Assurance group (ARQAG), and aligns with international trends.

The change allows more accurate LDLc results to be reported in the setting of hypertriglyceridaemia (up to 9 mmol/L), using the Sampson equation. The previous formula (Friedewald) underestimates LDL in patients with raised triglycerides.

In patients with normal triglycerides the calculated LDL result will be unchanged.

If you require any further information, please consult the LabPlus Test Guide under 'Lipid Profile'.

You can also contact one of our chemical Pathologists on [chemicalpathologist@adhb.govt.nz](mailto:chemicalpathologist@adhb.govt.nz), or via LabLINK at (09) 307 8995 and ask for the on-duty chemical pathologist.