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U Mass - Lipase

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OPEN ACCESS

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Protocol status: Working
We use this protocol and it's working

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PROTOCOL integer ID:
20291

ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Lipase is a gastrointestinal enzyme that processes fat/lipid digestion.

MATERIALS

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⊗ Lipase colorimetric Assay Roche Catalog #05401704 190

⊗ Calibrator f.a.s. Roche Catalog #10759350 360

⊗ Precinorm U Plus Roche Catalog #12149435 160

⊗ Precipath U Plus Roche Catalog #12149443 160

⊗ NaCl Diluent 9% Roche Catalog #04774230 190

⊗ Cleaner Roche Catalog #04774248 190

⊗ Micro Sample cups Roche Catalog #11406680 001

⊗ NERL High Quality Water Fisher Scientific Catalog #9805

Note:

Roche, [RRID:SCR_001326](https://rrid.org/RRID:SCR_001326)

Fisher Scientific, [RRID:SCR_008452](https://rrid.org/RRID:SCR_008452)

Keywords:

spectrophotometric
measurement, lipase,
fat/lipid digestion

BEFORE START INSTRUCTIONS**Notes:**

- ✓ Try to use freshly prepared serum and plasma samples for this assay.
- ✓ No dilution or treatment of the sample is required, but plasma samples should be centrifuged to remove any fibrin/fibrinogen clumps.
- ✓ Samples should be stored at 2-8°C for 24 hours prior to analysis. For longer periods, store samples at -70°C, and avoid repeated freeze/thaw cycles.
- ✓ A 50 µl dead volume is required in addition to sample volume for multi-protein analysis (typically 1-5 µl).

- 1** Perform daily quality control assessment of instrumentation before analysis.
- 2** Load each sample into a specialized micro-sample cup for the clinical chemistry analyzer.
- 3** Select Lipase test on display and run the analysis.
- 4** Collect and analyze the data.