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

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PROTOCOL integer ID:
 20360

U Mass - Total protein

Jason Kim¹

¹University of Massachusetts

Mouse Metabolic Phenotyping Centers
 Tech. support email: info@mmpc.org

Lili Liang

ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of total protein reflect systemic protein metabolism.

MATERIALS

MATERIALS

- ☒ Total Protein Gen.2 Roche Catalog #04657586 190
- ☒ Calibrator f.a.s. Roche Catalog # 10759350 360
- ☒ Precinorm U plus Roche Catalog # 12149435 160
- ☒ Precipath U plus Roche Catalog #12149443 160
- ☒ Precinorm Protein Roche Catalog # 10557897 160
- ☒ Precipath Protein Roche Catalog #11333127 160
- ☒ NaCl Diluent 9 % Roche Catalog #04774230 190
- ☒ Chimneys Roche Catalog # 11930630 001
- ☒ Cleaner Roche Catalog #04774248 190
- ☒ NERL High Quality Water Fisher Scientific Catalog #9805

Note:

Roche, [RRID:SCR_001326](#)

Fisher Scientific, [RRID:SCR_008452](#)

Keywords:

spectrophotometric
measurement, system protein
metabolism

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 Total protein test on display and run the analysis.
- 4 Collect and analyze the data.