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U Mass - C-reactive Peptide

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

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20061

ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of C-reactive peptide reflect systemic inflammation and may be altered in obesity.

MATERIALS

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- ⊗ C-reactive protein (latex) Roche Catalog #05401615 190
- ⊗ Calibrator f.a.s. Proteins Roche Catalog #11355279 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
- ⊗ Micro Sample cups Roche Catalog #11406680 001
- ⊗ NERL High Quality Water Fisher Scientific Catalog #9805

Note:

Roche, [RRID:SCR_001326](#)

Fisher Scientific, [RRID:SCR_008452](#)

Keywords: C-reactive peptide, obesity

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 C-reactive Peptide test on display and run the analysis.
- 4 Collect and analyze the data.