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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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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

MATERIALS

-  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

Before start

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.