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Working

U Mass - C-reactive Peptide [↗](#)

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[dx.doi.org/10.17504/protocols.io.xt5fnq6](https://doi.org/10.17504/protocols.io.xt5fnq6)

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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.

EXTERNAL LINK

<https://mmpc.org/shared/document.aspx?id=185&docType=Protocol>

MATERIALS

NAME ▾	CATALOG # ▾	VENDOR ▾	CAS NUMBER ▾	RRID ▾
C-reactive protein (latex)	05401615 190	Roche		
Calibrator f.a.s. Proteins	11355279 160	Roche		
Precinorm Protein	10557897 160	Roche		
Precipath Protein	11333127 160	Roche		
NaCl Diluent 9 %	04774230 190	Roche		
Chimneys	11930630 001	Roche		
Cleaner	04774248 190	Roche		
Micro Sample cups	11406680 001	Roche		
NERL High Quality Water	9805	Fisher Scientific		

MATERIALS TEXT

Note:

Roche, [RRID:SCR_001326](#)

Fisher Scientific, [RRID:SCR_008452](#)

BEFORE STARTING

Notes:

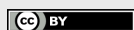
✓ Try to use freshly prepared serum and plasma samples for this assay.

✓ 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.



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