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Working

U Mass - Cholesterol (LDL)

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ABSTRACT

Summary:

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of LDL-cholesterol reflect cholesterol metabolism and are associated with cardiovascular disease.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=171&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR	CAS NUMBER	RRID
LDL Cholesterol Plus 2nd gen	05401682 190	Roche		
Calibrator f.a.s. Lipids	12172623 160	Roche		
Precinorm L	10781827 122	Roche		
Precipath HDL/LDL-C	11778552 122	Roche		
NaCl Diluent 9%	04774230 190	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 Cholesterol (LDL) test on display and run the analysis.

4 Collect and analyze the data.