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Working

Yale - LDL Cholesterol

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ABSTRACT

Summary:

Procedure used to determine the concentration of LDL cholesterol in blood, serum, and plasma. LDL-cholesterol is determined by an elimination method to selectively remove HDL, VLDL, and IDL subfractions prior to assay of LDL-cholesterol as described for total cholesterol.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=211&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR
Lipid Calibrator	R85528	Prolabs(cliniqa)
LDL Direct Reagent 1	R85556	Prolabs(cliniqa)
LDL Direct Reagent 2	R85556	Prolabs(cliniqa)

MATERIALS TEXT

Reagent Preparation:

LDL Direct Reagent 1: As supplied by vendor.

LDL Direct Reagent 2: As supplied by vendor.

Lipid Calibrator: Add 1mL of water to lipid calibrator bottle. Invert to mix, allowing 15 minutes for the reagent to settle. For the calibration, prepare serial dilutions.

BEFORE STARTING

Analysis by automated system Cobas Mira Plus

1 Calibrate Cobas for LDL by running dilutions of the lipid calibrator and the addition of the two direct reagents.

2 Sample handling as performed by the Cobas Mira Plus.
a) Pipette 3 µL of sample into a cuvette slot.
b) Add 225 µL of LDL Direct Reagent 1.
c) Add 75 µL of LDL Direct Reagent 2.
d) Mixture is incubated at 37°C and spun for 10 minutes.
e) Absorbance is measured at 600 nm.

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