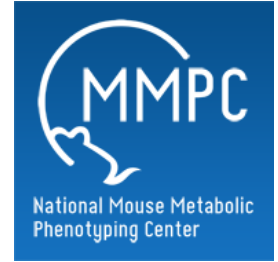


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Yale - HDL Cholesterol

DOI

<https://dx.doi.org/10.17504/protocols.io.y3ufynw>



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Protocol status: Working

We use this protocol and it's working

Created: March 12, 2019

Last Modified: May 17, 2019

Protocol Integer ID: 21332

Keywords: HDL Cholesterol, hdl cholesterol summary, concentration of hdl cholesterol, hdl cholesterol, total cholesterol, hdl, cholesterol, remaining hdl, cholesterol esterase, ldl

Abstract

Summary:

Procedure used to determine the concentration of HDL cholesterol in blood, serum, and plasma. HDL Cholesterol is determined in a two-step procedure. First chylomicrons, VLDL, and LDL are selectively reacted with cholesterol esterase and eliminated from the reaction. In the second step, the remaining HDL-cholesterol is assayed as described for total cholesterol.

Materials

MATERIALS

 Lipid Calibrator **Prolabs(cliniqa) Catalog #R85528**

 HDL Cholesterol Direct Reagent 1 **Prolabs(cliniqa) Catalog #R85549**

 HDL Cholesterol Direct Reagent 2 **Prolabs(cliniqa) Catalog #R85549**

Reagent Preparation:

Lipid Calibrator: As supplied by vendor.

HDL Cholesterol Direct Reagent 1: As supplied by vendor.

HDL Cholesterol Direct Reagent 2: As supplied by vendor.

Before start

Analysis by automated system Cobas Mira Plus.



- 1 Calibrate Cobas for HDL analysis by running a lipid calibrator, HDL Direct Reagent Reagent 1 and HDL Direct Reagent 2.
- 2 Sample handling as performed by the Cobas Mira Plus.
 - a) Pipette 3 μ L of sample into cuvette.
 - b) Add 180 μ L of Direct Reagent 1.
 - c) Add 60 μ L of Direct Reagent 2.
 - d) Mixture is incubated at 37°C for 10 minutes.
 - e) Absorbance is measured at 600 nm.