MAY 17, 2019

Yale - HDL Cholesterol

John Stack¹, Gary Cline¹

¹Yale University

Mouse Metabolic Phenotyping Centers
Tech. support email: info@mmpc.org

Lili Liang

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.y3ufynw

External link:
<https://mmpc.org/shared/document.aspx?id=210&docType=Protocol>

Protocol Citation: John Stack, Gary Cline 2019. Yale - HDL Cholesterol. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.y3ufynw>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working
We use this protocol and it's working

Created: Mar 12, 2019

Last Modified: May 17, 2019

PROTOCOL integer ID:
21332

Keywords: HDL Cholesterol

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 INSTRUCTIONS

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.