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Working

# Yale - HDL Cholesterol

John Stack[1], Gary Cline[1]

[1]Yale University

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

Lili Liang

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.

EXTERNAL LINK

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

MATERIALS

| NAME | CATALOG # | VENDOR |
|---|---|---|
| Lipid Calibrator | R85528 | Prolabs(cliniqa) |
| HDL Cholesterol Direct Reagent 1 | R85549 | Prolabs(cliniqa) |
| HDL Cholesterol Direct Reagent 2 | R85549 | Prolabs(cliniqa) |

MATERIALS TEXT

**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 STARTING

*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 3µL of sample into cuvette.
b) Add 180 µL of Direct Reagent 1.
c) Add 60 µL of Direct Reagent 2.
d) Mixture is incubated at 37°C for 10 minutes.
e) Absorbance is measured at 600 nm.

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