Yale - HDL Cholesterol

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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

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.
Calibrate Cobas for HDL analysis by running a lipid calibrator, HDL Direct Reagent Reagent 1 and HDL Direct Reagent 2.

Sample handling as performed by the Cobas Mira Plus.

- Pipette 3µL of sample into cuvette.
- Add 180 µL of Direct Reagent 1.
- Add 60 µL of Direct Reagent 2.
- Mixture is incubated at 37°C for 10 minutes.
- Absorbance is measured at 600 nm.