



Cholesterol (HDL)

Version: 1
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(note that the following list should be linked to the appropriate location.)

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Summary: *(This area will include a brief description of what the protocol is used for and why someone would need to use it.)*

This experiment involves a spectrophotometric measurement using Roche Cobas Clinical Chemistry Analyzer. Serum levels of HDL-cholesterol reflect cholesterol metabolism and are associated with cardiovascular disease.

Reagents and Materials: *(This should be a comprehensive list of stock solutions and material. The reagent list for the stock solutions is included in the reagent preparation area that is included at the end of this SOP.)*

Reagent/Material	Vendor	Stock Number
HDL Cholesterol Plus 3rd gen	Roche	05401488 190
Calibrator f.a.s. Lipids		12172623 160
Precinorm L		10781827 122
Precipath HDL/LDL-C		11778552 122
NaCl Diluent 9%		04774230 190
Cleaner		04774248 190
Micro Sample cups		11406680 001
HDL Cholesterol Plus 3rd gen		05401488 190
NERL High Quality Water		Fisher

Protocol:

Notes:

- ✓ Try to use freshly prepared serum and plasma samples for this assay.
- ✓ No dilution or treatment of the sample is required, but plasma samples should be centrifuged to remove any fibrin/fibrinogen clumps.

- ✓ Samples should be stored at 2-8°C for 24 hours prior to analysis. For longer periods, store samples at -70°C, and avoid repeated freeze/thaw cycles.
 - ✓ A 50 µl dead volume is required in addition to sample volume for multi-protein analysis (typically 1-5 µl).
1. Perform daily quality control assessment of instrumentation before analysis.
 2. Load each sample into a specialized micro-sample cup for the clinical chemistry analyzer.
 3. Select Cholesterol (HDL) test on display and run the analysis.
 4. Collect and analyze the data.