



Teco Diagnostics

Intended Use

For the quantitative determination of high density lipoprotein (HDL) in human serum or plasma. For *in vitro* diagnostic use only.

Principle

This assay is a homogeneous method for directly measuring serum HDL-C levels without the need for any off-line pretreatment or centrifugation steps. The method is in a two-reagent format. The first reagent stabilizes LDL, VLDL, and chylomicrons. The second reagent contains PEG modified enzymes that selectively react with the cholesterol present in the HDL particles.

Consequently, only the HDL cholesterol is subject to cholesterol measurement

Test:

Direct HDL Cholesterol Reagent Set (H513-100)

Number of Tests:

100 tests

Format:

Liquid

Method:

Enzymatic

Testing Procedure:

Manual

Storage Temperature:

2 – 8°C

Assay Range:

2-150 mg/dL

Expected Values:

< 40 mg/dL low

≥ 60 mg/dL high

It is recommended that each laboratory establish its own range of expected values.

Limitations of Procedure:

Anticoagulants containing citrate should not be used.

Hemoglobin levels up to 100 mg/dL, Triglyceride levels up to 1800mg/dL and Bilirubin levels up to 20 mg/dl were found to exhibit negligible interference (<5%) on this method.

Samples with levels of interfering substances higher than the upper limits should be diluted with physiological saline before assaying.

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