CREATIVE BIOMART®
Assay Kit

HDL and LDL/VLDL Assay Kit

Product Information

Cat

Kit-2509

Cat.No. Kit-2509

Product Overview

Cholesterol concentrations in High-Density Lipoprotein (HDL) and Low-Density (LDL)/Very-Low-Density (VLDL) Lipoproteins are strong predictors for coronary heart disease. Functional HDL offers protection by removing cholesterol from cells and atheroma. Higher concentrations of LDL and lower concentrations of functional HDL are strongly associated with cardiovascular disease due to higher risk of atherosclerosis. The balances between high- and low-density lipoproteins are solely genetically determined, but can be changed by medications, food choices and other factors. Simple, direct and automation-ready procedures for measuring HDL and LDL/VLDL concentrations are very desirable. HDL and LDL/VLDL quantification kit is based on our improved PEG precipitation method in which HDL and LDL/VLDL are separated, and cholesterol concentrations are determined using cholesterol esterase/cholesterol dehydrogenase reagent. In this reaction, NAD is reduced to NADH. The optical density of the formed NADH at 340 nm is directly proportionate to the cholesterol concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD340nm

Compatible Sample Types

Serum

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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Features & Benefits
Sensitive and accurate. Requires only 20 µL serum sample. Detection limit of 5 mg/dL, linearity up to 300 mg/dL cholesterol in 96-well plate assay. Convenient. Room temperature assay. No 37°C heater is needed.
Assay time
60 min
Sensitivity
5 mg/dL

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