CREATIVE BIOMART®
Assay Kit

AF HDL and LDL/VLDL Assay Kit

Product Information

Cat

Kit-2439

Cat.No. Kit-2439

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 a single Working Reagent that combines cholesterol ester hydrolysis, oxidation and color reaction in one step. The color intensity of the reaction product at 570nm or fluorescence intensity at λex/em = 530/585nm is directly proportional to total cholesterol concentration in the sample.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

Serum

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Features & Benefits
Sensitive and accurate. Linear detection range in 96-well plate: 1 to 100 mg/dL cholesterol for colorimetric assays and 0.2 to 10 mg/dL for fluorimetric assays. Convenient. Room temperature assay. No 37°C heater is needed.
Assay time
60 min
Sensitivity
OD, FL: 1, 0.2 mg/dL

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