CREATIVE BIOMART®
Assay Kit

Cholesterol Assay Kit

Product Information

Cat

Kit-2429

Cat.No. Kit-2429

Product Overview

CHOLESTEROL is a sterol and lipid present in the cell membranes, and is transported in the bloodstream of all animals. It is used to form cell membranes and hormones, and plays important roles in cell signaling processes. Elevated levels (hypercholesterolemia) have been associated with cardiovascular diseases such as atherosclerosis; whereas, low levels (hypocholesterolemia) may be linked to depression, cancer and cerebral hemorrhage. Simple, direct and automation-ready procedures for measuring cholesterol are very desirable. Cholesterol Assay is based on cholesterol esterase hydrolysis of cholesterol esters to form free cholesterol and cholesterol dehydrogenase catalyzed conversion of cholesterol to cholest-4-ene-3-one, in which 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, plasma etc

Features & Benefits

Sensitive and accurate. Detection limit of 5 mg/dL, linearity up to 300 mg/dL cholesterol in 96-well

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

Cholesterol Assay Kit

plate assay.
Convenient. Room temperature assay. No 37°C heater is needed.
High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
40 min
Sensitivity
5 mg/dL

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