CREATIVE BIOMART®
Assay Kit

Cell-based Cholesterol Efflux Fluorometric Assay Kit

Product Information

Cat.No. Kit-0205

Product Overview

Cell-based Cholesterol Efflux Assay Kit (Fluorometric) is a high-throughput screening assay for measuring cholesterol efflux.

Description

Cholesterol efflux from the peripheral tissues and cells in atherosclerotic plaque is an initial and critical step in Reverse Cholesterol Transport (RCT). RCT is the process by which extrahepatic cells, including macrophage-derived foam cells in arterial atherosclerotic plaque, transport excessive cholesterol back to the liver for bile acid synthesis and excretion, thus lowering the peripheral lipid burden. A negative correlation has been established between the in vitro efflux of cholesterol from macrophages and atherosclerosis. The Cell-based Cholesterol Efflux Assay Kit (Fluorometric) is a high-throughput screening assay for measuring cholesterol efflux in cells using fluorescently-labeled cholesterol. This assay provides a safe, sensitive, and reproducible method for measuring cholesterol efflux.

Applications

Screen serum samples or lipoproteins (isolated or recombinant) for cholesterol efflux.Screen small molecules for their effect on cholesterol efflux (a valuable tool for drug discovery program).

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store the kit at -20°C, protected from light.

Kit Components

Labeling Reagent 5 mLEquilibration Buffer 5 mLReagent A 10 μLReagent B 10 μLCell Lysis

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Assay Kit

Cell-based Cholesterol Efflux Fluorometric Assay Kit

Buffer 20 mLPositive Control 1 mLSerum Treatment Reagent 1 mL

Detection method Fluorometric

Compatible Sample Types

Isolated lipoproteins, Recombinant lipoproteins, Serum

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