CREATIVE BIOMART®
Assay Kit

PLTP Inhibitor Drug Screening Kit

Product Information

Cat.No. Kit-0710

Product Overview

Simple procedure; takes ~40 minutesFast and convenientProvided all necessary buffers and reagents, as well as positive control for accurate assay of activity of plasma phospholipid transfer protein (PLTP).

Size

100 assays

Description

Plasma phospholipid transfer protein (PLTP) is thought to play a major role in the facilitated transfer of phospholipids between lipoproteins and in the modulation of high-density lipoprotein (HDL) particle size and composition. PLTP-facilitated lipid transfer activity is related to HDL and LDL metabolism, as well as lipoprotein lipase activity, adiposity, and insulin resistance. The PLTP Drug Screening Kit utilizes rabbit serum as PLTP activity source to screen PLTP inhibitors. The assay uses a donor molecule containing a fluorescent self-quenched phospholipid that is transferred to an acceptor molecule in the presence of PLTP. PLTP-mediated transfer of the fluorescent phospholipid to the acceptor molecule results in an increase in fluorescence (Ex/Em: 465/535). Inhibitor of PLTP will inhibit the lipid transfer and therefore decrease fluorescence intensity. The kit provides sufficient reagents for 100 PLTP inhibitor screening assays.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

PLTP Donor MoleculePLTP Acceptor MoleculePLTP Assay Buffer (10X)Positive Control (Rabbit Serum)

Detection method Fluorometer

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Compatible Sample Types

Cell Culture SupernatantsPlasmaSerumUrine

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