CREATIVE BIOMART®
Assay Kit

Phospholipid Assay Kit

Product Information

Cat.No. Kit-0688

Product Overview

Phospholipid Assay Kit is a quantitative colorimetric/fluorimetric phospholipid determination.

Description

PHOSPHOLIPIDS are a class of lipids which constitute a major component of cell membranes and play important roles in signal transduction. Most phospholipids contain one diglyceride, a phosphate group, and one choline. Phospholipid Assay Kit provides a simple, direct and high-throughput assay for measuring choline-containing phospholipids in biological samples. In this assay, phospholipids (such as lecithin, lysolecithin and sphingomyelin) are enzymatically hydrolyzed to choline which is determined using choline oxidase and a H2O2 specific dye. The optical density of the pink colored product at 570 nm or fluorescence intensity (530/585 nm) is directly proportional to the phospholipid concentration in the sample.

Applications

Assays: phospholipid in biological samples such as serum and non-EDTA plasma.Drug Discovery/Pharmacology: effects of drugs on choline-containing phospholipid metabolism.

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life of six months after receipt.

Kit Components

Assay Buffer 10 mLPLD Enzyme 120 μLEnzyme Mix (Dried) 1 vialDye Reagent 120 μLStandard 400 μL 2 mM phosphatidylcholine

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Plasma (no EDTA), Serum

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Features & Benefits

Sensitive: Use 20 μL samples. Linear detection range: colorimetric assay 3 - 200 μM, fluorimetric assay 0.6 - 20 μM phospholipid.

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