

## 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 H<sub>2</sub>O<sub>2</sub> 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 mL PLD Enzyme 120 μL Enzyme Mix (Dried) 1 vial Dye Reagent 120 μL Standard 400 μL 2 mM phosphatidylcholine

**Detection method** Colorimetric, Fluorometric

#### Compatible Sample Types



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Phospholipid Assay Kit

Plasma (no EDTA), Serum

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### Features & Benefits

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Sensitive: Use 20  $\mu$ L samples. Linear detection range: colorimetric assay 3 - 200  $\mu$ M, fluorimetric assay 0.6 - 20  $\mu$ M phospholipid.

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