

Phospholipid Assay Kit

Cat. No. Kit-0688 **Lot. No.** (See product label)

SPECIFICATION

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 ₂ O ₂ 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

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**Compatible Sample
Types**

Plasma (no EDTA), Serum

Features & Benefits

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

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