



## Phospholipase D Assay Kit

### Product Information

#### Cat.No.

Kit-0704

#### Product Overview

Phospholipase D Assay Kit is a quantitative colorimetric/fluorimetric phospholipase D activity determination.

#### Description

PHOSPHOLIPASE D (PLD) catalyses the hydrolysis of the phosphodiester bond of glycerophospholipids to generate phosphatidic acid and a free headgroup. Abnormalities in PLD expression have been associated with human cancers.

#### Applications

Direct Assays: phospholipase D in biological samples. Drug Discovery/Pharmacology: effects of drugs on phospholipase D 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 Dye Reagent 120 µL Enzyme Mix (Dried) 1 vial Substrate 1.5 mL Calibrator 400 µL

**Detection method** Colorimetric, Fluorometric

#### Compatible Sample Types

Biological Sample

#### Features & Benefits

Sensitive. Use 10 µL samples. Detection range: colorimetric assay 0.06 - 10 U/L, fluorimetric assay 0.04 - 1 U/L. Simple and High-throughput: the assay involves addition of a single working reagent and can



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Assay Kit

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be readily adapted to high-throughput assays for drug screening.

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