

Phospholipase D Assay Kit

Cat. No. Kit-0704 **Lot. No.** (See product label)

SPECIFICATION

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 be readily adapted to high-throughput

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assays for drug screening.

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