

Phospholipase D Assay Kit

Cat. No. Kit-2483 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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. method provides a simple and high-throughput assay for measuring PLD activity. In this assay, PLD hydrolyzes phosphatidylcholine 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 570nm or fluorescence intensity (530/585 nm) is directly proportional to the PLD activity in the sample.
Storage	-20°C
Shipping	On Ice
Size	100 tests
Detection method	OD570nm, or FL530/585nm
Compatible Sample Types	Biological
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 assays for drug screening.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Assay time	30 min
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Sensitivity	0.04 U/L
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