

## Phospholipase D Assay Kit

### Product Information

#### **Cat**

Kit-2483

#### **Cat.No.**

Kit-2483

### 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<sub>2</sub>O<sub>2</sub> 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.

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## Phospholipase D Assay Kit

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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**Assay time**

30 min

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**Sensitivity**

0.04 U/L

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