CREATIVE BIOMART®
Assay Kit

Phosphatidylcholine Colorimetric/Fluorometric Assay Kit

Product Information

Cat.No. Kit-0663

Product Overview

Phosphatidylcholine Assay Kit (Colorimetric/Fluorometric) is a simple convenient means of measuring phosphatidylcholine in a variety of biological samples. This assay uses an enzyme-coupled reaction to hydrolyze phosphatidylcholine to release choline, which subsequently oxidizes the OxiRed probe in order to generate fluorescence (Ex/Em 535 nm 587 nm) and absorbance (570 nm). This assay measures phosphatidylcholine in the range of 0.1 to 10 nmol per sample.

Size

100 tests

Description

Phosphatidylcholine (PC) is a phospholipid which incorporates choline as the headgroup of the lipid. PC is a major constituent of biological membranes and is involved in cell signaling through release of choline by phospholipase D leaving the second messenger phosphatidic acid.PC is present in serum at ~0.2-2.5 mM (~50-200 mg/dL).

Applications

Functional Studies more details

Storage

Store at -20°C.

Kit Components

Components: Identifier; OxiRed Probe in DMSO: Red; PC Assay Buffer: WM; PC Development Mix (Lyophilised): Green; PC Hydrolysis Enzyme (lyophilized): Purple; PC Standard (10 µmol) (Lyophilised): Yellow

Compatible Sample Types

Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids, Tissue Extracts

Assay time

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Assay Kit

Phosphatidylcholine Colorimetric/Fluorometric Assay Kit

0h 40m
Sensitivity
>0.2 mM

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