

Phosphatidylcholine Assay Kit

Cat. No. Kit-0662 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Phosphatidylcholine Assay Kit is used for measuring phosphatidylcholine.
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. The Phosphatidylcholine Assay Kit is a simple convenient means of measuring Phosphatidylcholine in a variety of biological samples. The kit utilizes an enzyme-coupled assay in which PC is hydrolyzed, releasing choline which is subsequently oxidized resulting in development of the OxiRed probe to generate fluorescence (Ex/Em = 535/587 nm) and absorbance (570 nm). The kit measures PC in the range of 0.1 to 10 nmol per sample. PC is present in serum at ~ 0.2-2.5 mM (~50-200 mg/dL).
Target Species	Mammals
Usage	For research use only (RUO)
Storage	Store the kit at -20°C, protect from light. Allow Assay Buffer to warm to room temperature before use. Briefly centrifuge vials prior to opening. Read the entire protocol before performing the assay.
Kit Components	PC Assay Buffer 25 mL OxiRed Probe 0.2 mL PC Hydrolysis Enzyme, lyophilize. 1 vial PC Development Mix, lyophilize. 1 vial PC Standard (10 µmol), lyophilize. 1 vial
Detection method	Colorimetric, Fluorometric

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Compatible Sample Types	Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine
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