

# Phosphatidylcholine Assay Kit

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

## SPECIFICATION

<b>Product Overview</b>	Phosphatidylcholine Assay Kit is used for measuring phosphatidylcholine.
<b>Description</b>	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).
<b>Target Species</b>	Mammals
<b>Usage</b>	For research use only (RUO)
<b>Storage</b>	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.
<b>Kit Components</b>	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
<b>Detection method</b>	Colorimetric, Fluorometric

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<b>Compatible Sample Types</b>	Biological Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Culture Supernatant, Urine
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