MAY 09, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.xmvfk66

External link:
<https://mmpc.org/shared/document.aspx?id=198&docType=Protocol>

Protocol Citation: Patrick Tso, Dana Lee 2019. U Cinn - Phospholipids Assay.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.xmvfk66>

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Protocol status: Working
 We use this protocol and it's working

Created: Jan 31, 2019

Last Modified: May 09, 2019

PROTOCOL integer ID:
 19861

U Cinn - Phospholipids Assay

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ABSTRACT

Summary:

Determinations of phospholipids in plasma/serum/lymph will be made using the Wako Phospholipids C enzymatic assay. In this assay, phospholipids in the sample are hydrolyzed ultimately producing a blue pigment. The amount of phospholipids in the sample is determined by measuring the absorbance of the blue color.

MATERIALS

MATERIALS

Phospholipid C assay kits standard included in kit **FUJIFILM Wako Pure Chemical Corporation Catalog #433-36201**

Working Reagent:

Reagents and Materials:

Color Reagent

Buffer

Procedure:

Reconstitute one vial of **Color Reagent** with a portion of **Buffer** then transferring entire contents to **Buffer** bottle, rinsing **Color** vial several times.

Note:

FUJIFILM Wako [RRID:SCR_013651](#)

Keywords: phospholipids

- 1 Prepare working standards by making a serial dilution of the stock 300mg/dl standard. (See diagram below) *Stock standard included in kit.

- 2 Prepare **Working Reagent** by reconstituting one vial of **Color Reagent** with a portion of **Buffer** then transferring entire contents to **Buffer** bottle, rinsing **Color Reagent** vial several times.
- 3 Using a 96 well flat bottom plate, into separate wells, pipette 2µL of deionized water, standard, or sample to be assayed.
- 4 Add 300µL of **Working Reagent** to all wells.
- 5 Incubate plate for 5 minutes at 37°C.
- 6 Determine the absorbance (abs) of the standards and of each unknown at 600nm.
- 7 Calculate values of unknowns from the standard curve.

Specimen: Serum or Plasma. Specimen stable for 7 days at 2-8°C or 3 months at -20°C.

Assay Linearity: 1000 mg/dl

Reagent Stability: 7 days at 2-8°C

Stability of Final Reaction: 60 minutes