Phospholipids Assay
C1060

Version: 1
Edited by: Patrick Tso, Dana Lee

Summary:

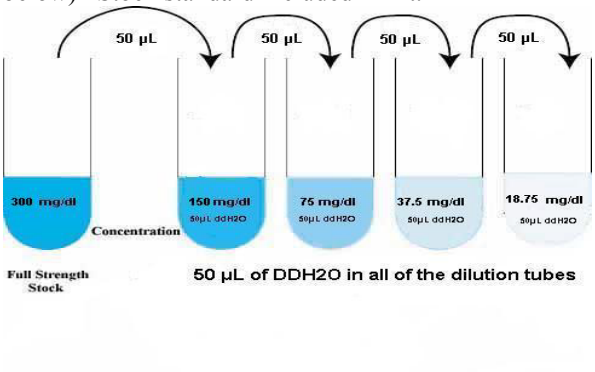
Determinations of phospholipids in plasma/serum/lymph will be made using the Wako Phospholipids C enzymatic assay. In this assay, phospholipids in the sample are hydrolyzed ultimately producing a blue pigment. The amount of phospholipids in the sample is determined by measuring the absorbance of the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

Reagents and Materials:

Reagent/Material	Vendor	Stock Number
Phospholipid C assay kits, standard included in kit	Wako	433-36201

Protocol:

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

Reagent Preparation:

Working Reagent

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.