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U Cinn - Triglyceride Assay

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

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Abstract

Summary:

Determinations of triglycerides in plasma/serum/lymph will be made using a Randox Triglycerides colorimetric kit. The triglycerides are determined after enzymatic hydrolysis with lipases.

Materials

MATERIALS

Triglyceride Assay Kit **Randox Catalog #**TR213

Working Reagent:

Reagents and Materials:

Enzyme Reagent R1b

Buffer R1a

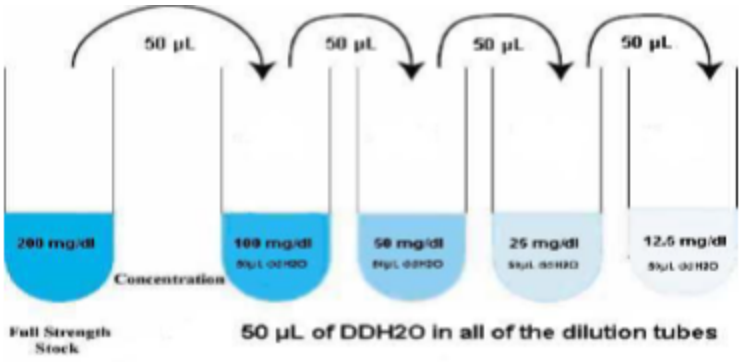
Procedure:

Prepare **Working Reagent** by reconstituting one vial of **Enzyme Reagent R1b** with a portion of **Buffer R1a** and then transfer entire contents to bottle **R1a**, rinsing vial **R1b** several times.

Note:

Randox Life Sciences, RRID:SCR_005525

1 Prepare **Working Standards** by making a serial dilution of the stock 200mg/dl standard. (See diagram below) *Stock standard is included in kit



2 Prepare **Working Reagent** by reconstituting one vial of **Enzyme Reagent R1b** with a portion of **Buffer R1a** and then transfer entire contents to bottle **R1a**, rinsing vial **R1b** 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 200µL of reconstituted **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 500nm.

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: 1172 mg/dl
Working Reagent Stability After Reconstitution: 21 days stored at 2-8°C. PROTECT FROM LIGHT
Stability of Final Reaction: 60 minutes