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

Working Reagent:

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*

![Diagram showing serial dilution process]

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
Determine the absorbance (abs) of the standards and of each unknown at 500nm.

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