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Working

U Cinn - Cholesterol Concentration

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ABSTRACT

Summary:

In vitro quantification of cholesterol in serum or plasma is determined using an Infinity Total Cholesterol Assay kit. This assay enzymatically hydrolyzes the cholesterol esters in the sample to cholesterol and free fatty acids. The free cholesterol is further oxidized and combined with HBA to allow it to be quantitatively measured in the serum or plasma.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=199&docType=Protocol

MATERIALS

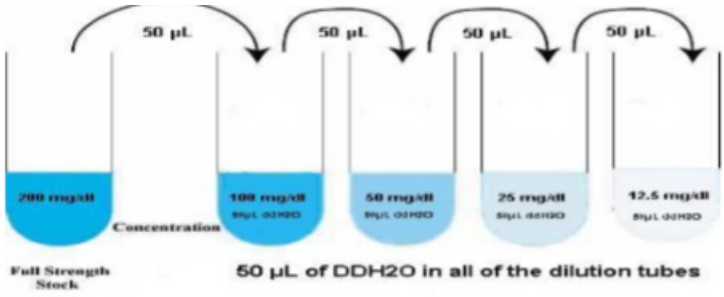
NAME	CATALOG #	VENDOR	CAS NUMBER	RRID
Infinity Total Cholesterol Assay Kit	TR13421	Fisher Scientific		
Pointe Scientific Inc Cholesterol Std	23-666-198	Fisher Scientific		

MATERIALS TEXT

Reagent Preparation:

Reagent is supplied ready to use.

1 Prepare working standards by making a serial dilution of the stock 200mg/dl standard.



2 Using a 96 well flat bottom plate, into separate wells, pipette 2µL of deionized water, standard, or sample to be assayed.

3 Add 200µL of **Reagent** (supplied ready to use) to all wells.

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4 Incubate plate for 5 minutes at 37°C.

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

6 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: 774 mg/dl
Reagent Stability: Until Expiry on Bottle at 2-8°C
Stability of Final Reaction: 60 minutes

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