

Cholesterol Concentration C1083

Version: 1
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Summary:

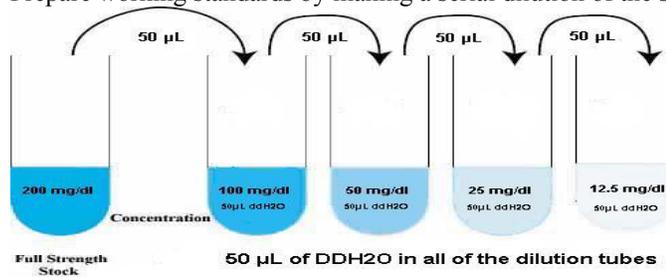
In vitro quantification of cholesterol in serum or plasma is determined using an Infinity Total Cholesterol Assay kit. This assay enzymatically hydrolyzes the cholesterol esters in the sample to cholesterol and free fatty acids. The free cholesterol is further oxidized and combined with HBA to allow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

Reagents and Materials:

Reagent/Material	Vendor	Stock Number
Infinity Total Cholesterol Assay Kit	Fisher Scientific	NC9343696
Pointe Scientific Inc Cholesterol Std	Fisher Scientific	23-666-198

Protocol:

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.
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

Reagent Preparation:

Reagent is supplied ready to use.