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Working

Yale - Triglycerides

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ABSTRACT

Summary:

Procedure used to determine the concentration of triglycerides in blood, serum, and plasma. Triglycerides are determined by coupling lipase, glucokinase, glycerol phosphate oxidase, and peroxidase to form a quinonemine dye which is measured at 500 nm.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=213&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR
Triglyceride Reagent and Activator	R85457	Cliniqa
Multi Analyte Calibrator	R60010	Prolabs(cliniqa)
Assayed Control Serum 1	R83082	Prolabs(cliniqa)
Assayed Control Serum 2	R83083	Prolabs(cliniqa)

MATERIALS TEXT

Reagent Preparation:

Triglyceride Reagent: Add 40mL of Triglyceride Activator to the Reagent bottle.

Multi Analyte Calibrator: Add the appropriate amount of water (6.5mL) to the chemical control bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 1: Add the appropriate amount of water (6.5mL) to the chemical control bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 2: Add the appropriate amount of water (6.5mL) to the chemical control bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

BEFORE STARTING

Analysis by automated system Cobas Mira Plus

1 Calibrate Cobas for Triglyceride analysis by running a multi-analyte calibrator and two control serum.

2 Sample handling as performed by Cobas Mira Plus.

a) Pipette 4 µL of sample into cuvette.
b) Add 275 µL of Triglyceride liquid reagent.
c) Incubate at 37ºC for 10 minutes.
d) Absorbance is measured at 500nm.