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Yale - Total Protein

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

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ABSTRACT

Summary:

Procedure to determine the total protein concentration in blood, serum, and plasma. Total Protein is determined by the biuret reaction.

MATERIALS

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- ☒ Total Protein Reagent **Prolabs(cliniqa) Catalog #R84086**
- ☒ Multi Analyte Calibrator **Prolabs(cliniqa) Catalog #R60010**
- ☒ Assayed Control Serum 1 **Prolabs(cliniqa) Catalog #R83082**
- ☒ Assayed Control Serum 2 **Prolabs(cliniqa) Catalog #R83083**

Reagent Preparation:

Total Protein Reagent: As supplied by vendor

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 START INSTRUCTIONS

Analysis by automated system Cobas Mira Plus

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

- 2 Sample handling as performed by Cobas Mira Plus
 - a) Pipette 5µL of sample into cuvette.
 - b) Add 150 µL of Total Protein Reagent.
 - c) Incubate at 37°C for 10 minutes
 - d) Absorbance is measured at 550nm