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Yale - Blood Albumin

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

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Abstract

Summary:

Procedure used to determine the concentration of albumin in blood, plasma, and serum. Albumin is measured as its conjugate with bromocresol green monitored at 600 nm.

Materials

MATERIALS

- Albumin Standard **Prolabs(cliniqa) Catalog #**R85260
- Albumin Reagent **Prolabs(cliniqa) Catalog #**R85211
- Assayed Control Serum 1 **Prolabs(cliniqa) Catalog #**R83082
- Assayed Control Serum 2 **Prolabs(cliniqa) Catalog #**R83083

Reagent Preparation:

Albumin Standard: As supplied by vendor

Albumin Reagent: As supplied by vendor

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.

Troubleshooting

Before start

Analysis by automated system Cobas Mira Plus.

1 Calibrate Cobas for Albumin analysis by running an albumin standard, assayed control serum 1 and assayed control serum 2.

2 Sample handling as performed by the Cobas Mira Plus.
a) Pipette 2µL of sample into a cuvette slot.
b) Add 250 µL of Albumin reagent and mix.
c) Mixture is incubated at 37˚C and spun for 10 minutes.
d) Absorbance is measured at 600 nm.