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Working

Yale - Blood Albumin

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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.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=205&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR
Albumin Standard	R85260	Prolabs(cliniqa)
Albumin Reagent	R85211	Prolabs(cliniqa)
Assayed Control Serum 1	R83082	Prolabs(cliniqa)
Assayed Control Serum 2	R83083	Prolabs(cliniqa)

MATERIALS TEXT

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.

BEFORE STARTING

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.