Albumin

Version: 1
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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.

Reagents and Materials:

Reagent/Material	Vendor	Stock Number
Albumin Standard	Prolabs	R85260
Albumin Reagent	Prolabs	R85211
Assayed Control Serum 1	Prolabs	R83082
Assayed Control Serum 2	Prolabs	R83083

Protocol:

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.

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.