



Albumin

Liquid Stable Reagent
Bromocresol green method
Store at 2 – 8°C.

O.D Standard

PRINCIPLE

Serum Albumin in the presence of Bromocresol green at pH 4.2 produces a color complex. The intensity of the color is proportional to the albumin concentration.

REFERENCE VALUES

Serum	3.8-5.1 g/dl
	0.59-0.78 mmol/L

These ranges are given for orientation only each laboratory should establish its own normal ranges

SAMPLES

Serum or plasma collected on heparin or EDTA
Albumin is stable in serum for one month stored at 2-8°C

REAGENTS

R1: Succinate buffer	75 mmol/l
Bromocresol green	0.15 mmol/l
Brij 35	9.0 ml/l
Preservative	

R2: Standard	5 g/dl
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PREPARATION OF REAGENTS

All reagents are ready to use and stable up to the date of expiration.

PROCEDURE

If the absorbance of the working reagent is higher than 0.2 at 578 nm the reagent can not be used.

Wavelength	628 nm (600-650nm)
Temperature	+20°C to +37°C
Cuvette	1 cm light path
Method	Endpoint - increasing

	Blank	Standard	Sample
Standard	-	10 µl	-
Sample	-	-	10 µl
Reagent	1 ml	1 ml	1 ml

Mix well and read the optical density (O.D) after one minute against the blank. The final color is stable for at least 1 hour

CALCULATION

Albumin mg/dl =
 $\frac{\text{O.D Sample}}{\text{Standard concentration}}$

LINEARITY

Up to 6.0 g /dl.
Dilute samples > 6g/dl , 1+1 with NaCl solution (0.9%) multiply the result by 2.

QUALITY CONTROLE

All control sera with albumin values determined by this method may be employed.

NOTS

The reagent contain NaN3, Do not swallow avoid contact with skin and mucous membranes.

SPECIFICITY

Bilirubin 0.5g/l, glucose 10g/l and ascorbic acid 0.5g/l don't interfere with the assay up to the given levels.

PRESENTATION


4 X 60 ml Cat No 0101 240 Tests

BIBLIOGRAPHY

-Doumas, Waston, Briggs, Clin. Chim. Acta., 31.87, (1971).
-Doumas B. and al., in standard Methods of Clinical Chemistry, Acad. Press N.Y., 7, (1972), 175.

The following symbols are used on labels

 **For in vitro diagnostic use**

 **Use day (last day of the month)**

 **Temperature limitation**

 **Batch code**

 **Code**