

# ALBUMIN

Colorimetric Method

100 Tests

## PRINCIPLE :

Formation of an albumin/bromcresol – green complex at pH 3.8 and photometric measurement of the absorbance.

## SAMPLE :

Serum, or plasma the samples can be stored up to two days at +4°C.

## NORMAL VALUES :

Children: 3.8 – 4.2 g/dl

Adults: 3.5 – 5.5 g/dl

## REAGENTS :

1-	Standard Albumin	4 g/dl
2-	Color Reagent Citrate buffer, pH 3.8 Bromcresol green Detergent Preservative	50 mmol/l 0.12 mmol/l

## STABILITY :

The reagents are Stable up to the expiry date specified when stored at +4 to +8°C .

## PROCEDURE:

	Blank (ml)	Standard (ml)	Sample (ml)
Standard	-	0.01	-
Sample	-	-	0.01
Reagent 2	2.0	2.0	2.0

Mix well, then measure after 5 min. the absorbances of sample ( $A_{\text{sample}}$ ) and the standard ( $A_{\text{standard}}$ ) against reagent blank at 630 nm (620 – 640 nm ).

If albumin concentration exceeds 6 g/dl dilute the sample and repeat the assay. Multiply by the dilution factor.

## CALCULATION :

Albumin Concentration (g/dl)

$$= \frac{A_{\text{Sample}}}{A_{\text{Standard}}} \times 4$$

## REFERENCE :

Doumas B.T et al., (1971): Clin. Chim. Acta 31-87.

## QUALITY CONTROL:

For accuracy and reproducibility control:  
Assayed Multi-Sera Normal and Elevated.

## ALBUMIN

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+4 to +8°C

100 Tests

In vitro diagnostic use

CAT. No.

AB 10 10

## REAGENTS

R1	Standard	2	ml
R2	Color Reagent	2 x 100	ml

## CONTACTS

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