

# BHAT BIOSCAN™

Pack size. AL 100ml

## ALBUMIN

Bromocresol green method

Cat. No. AL - 100

### Principle:

Serum albumin in the presence of bromocresol green at a slightly acid pH, produces a colour change of the indicator from yellow-green to green-blue. The intensity of the colour is measured at 630nm.

### Reagent Composition:

- Albumin reagent  
Bromocresol green 0.2mmol/L  
Succinate buffer pH 4.2 100mmol/L  
Brij 35 7ml/L
- Albumin standard 4 gm/dl

### Reagent Preparation:

Reagent is ready to use.

### Storage & Stability:

Store at 2-8° C, and keep away from light. Unopened reagent is stable until expiry date stated on the label.

### Sample:

Unhemolysed serum or heparinised plasma can be used.

### Procedure:

Let stand reagents and specimens at room temperature.

Tube	Blank	Standard	Test
Reagent	1000µl	1000 µl	1000 µl
Standard	-	10 µl	-
Sample	-	-	10 µl

Mix and Incubate @ room tempt. for 1 min. Read the absorbance at 630 (600-650nm) against reagent blank.

### Calculations:

Calculate the result as follows:

$$\text{Albumin (g/dl) con.} = \frac{A_{\text{sample}}}{A_{\text{standard}}} \times \text{Std.}$$

### Expected Value:

Adult : 3.5-5.3 gm/dl

Each lab should optimize its own normal range.

### Quality Control:

The assay linear up to 10gm/dl. Use always QC sera to analyze the performance of the assay.

### Reference:

- Doumas, B.T. et al., Clin.Chem.27: 1642 (1981).