

Albumin

FOR THE QUANTITATIVE MEASUREMENT OF ALBUMIN

METHOD: BROMOCRESOL GREEN (BCG); ENDPOINT

Albumin measurements are used as an aid to monitor and diagnose liver and renal diseases.

The Sekisui Albumin assay incorporates a modified BCG method for accurate and reliable patient test results. It is intended for the measurement of albumin in serum.

Features:

- One part stable liquid
- Bromocresol Green (BCG) method is recommended in patients with liver disease⁽¹⁾
- Applicable to multiple instrument platforms

Benefits:

- Easy to use, no additional reagent preparation required
- BCG offers improved accuracy⁽¹⁾
- Flexible testing, well suited for use with fully automated procedures

Performance Characteristics

Precision

- Within-Run: $\leq 1.5\%$
- Total Precision: $\leq 2.1\%$

Accuracy^(a)

- Slope: 1.04
- Intercept: -0.20 g/dL (-2 g/L)
- Correlation Coefficient: 0.9965

Linearity

- 0.1 - 7.0 g/dL (1 - 70 g/L)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 600 mg/dL (93 $\mu\text{mol/L}$)
- Bilirubin: 40 mg/dL (684 $\mu\text{mol/L}$)
- Ascorbic Acid: 100 mg/dL (5678 $\mu\text{mol/L}$)
- Salicylate: 1 g/L (7.2 mmol/L)
- Intralipid: 800 mg/dL (2400 mg/dL (27.1 mmol/L) Simulated Triglycerides)

Reference Range⁽²⁾

- 3.5 - 5.2 g/dL (35 - 52 g/L)

(a) The performance of this method (y) was compared with the performance of another albumin method (x) on a Roche/Hitachi® 717 analyzer.

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Ordering information

	Configuration	Catalog Number
Albumin	R1 4 x 125mL	200-45
Albumin	R1 1 x 1000mL	200-05
DC-Cal Calibrator	5 x 3mL	SE-035
DC-Trol Level 1	10 x 5mL	SM-052
DC-Trol Level 2	10 x 5mL	SM-056

(1) Dufour R, et al. Diagnosis and Monitoring of Hepatic Injury. I. Performance Characteristics of Laboratory Tests. Clinical Chemistry, 46: Page 2036, 2000.

(2) Kaplan, A., Szabo, L.L., Clinical Chemistry: Interpretation and Techniques, 2nd Ed. (1983) Lea and Febiger, Philadelphia, p. 403.



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