

# Total Protein

FOR THE QUANTITATIVE MEASUREMENT OF TOTAL PROTEIN

**METHOD: BIURET; ENDPOINT**

Total Protein measurements are used as an aid to monitor and diagnose liver and renal diseases, bone marrow as well as other metabolic or nutritional disorders.

The Sekisui Total Protein assay uses a Biuret procedure as a reliable determinant for the quantitative measurement of total protein in serum.

## Features:

- No significant interference displayed from samples with elevated levels of icterus
- One part, stable liquid
- Applicable to multiple instrument platforms

## Benefits:

- Reduces repeat testing and the need for sample dilutions
- Easy to use, no additional preparation required
- Flexible testing, well suited for use with fully automated procedures

## Performance Characteristics

### Precision

- Within-Run:  $\leq 1.2\%$
- Total Precision:  $\leq 1.7\%$

### Accuracy<sup>(a)</sup>

- Slope: 1.037
- Intercept: -0.36 g/dL (-3.6 g/L)
- Correlation Coefficient: 0.947

### Linearity

- 10.0 g/dL (100 g/L)

### No Significant Interferences Up to Levels Indicated

- Hemoglobin: 200 mg/dL (31  $\mu\text{mol/L}$ )
- Bilirubin: 40 mg/dL (684  $\mu\text{mol/L}$ )
- Intralipid: 100 mg/dL (300 mg/dL (3.39 mmol/L) Simulated Triglycerides)

### Reference Range<sup>(1)</sup>

- 6.0 - 8.2 g/dL (60 - 82 g/L)

(a) The performance of this method (y) was compared with the performance of another total protein method (x).

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## Ordering information

	Configuration	Catalog Number
<b>Total Protein</b>	R1 4 x 125mL	200-55
<b>DC-Cal Calibrator</b>	5 x 3mL	SE-035
<b>DC-Trol Level 1</b>	10 x 5mL	SM-052
<b>DC-Trol Level 2</b>	10 x 5mL	SM-056

(1) Kaplan, A., Szabo, L.L., *Clinical Chemistry: Interpretation and Techniques*, 2nd Ed., Lea and Febiger, (1983) Philadelphia, p.405.



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