

Total Protein (Micro)

FOR THE QUANTITATIVE MEASUREMENT OF TOTAL PROTEIN (MICRO)

METHOD: PYROGALLOL RED; ENDPOINT

Micro Total Protein measurements are used as an aid to monitor and diagnose renal disease.

Sekisui's Micro-Total Protein assay employs the pyrogallol red method, a sensitive dye-binding colorimetric procedure that is intended for the measurement of total protein (micro) in urine and cerebrospinal fluid (CSF).

Features:

- One part stable liquid
- Suitable for urine and cerebrospinal fluid (CSF) testing
- Applicable to multiple chemistry platforms

Benefits:

- Easy to use
- Flexible laboratory testing

Performance Characteristics

Precision

URINE

- Within Day: $\leq 5.5\%$
- Run to Run: $\leq 13.5\%$

CSF

- Within Day: $\leq 6.9\%$
- Run to Run: $\leq 6.2\%$

Accuracy^(a)

URINE

- Slope: 1.12
- Intercept: -3.0 mg/dL (-0.03 g/L)
- Correlation Coefficient: 0.9826

CSF

- Slope: 1.078
- Intercept: -1.9 mg/dL (-0.019 g/L)
- Correlation Coefficient: 0.9879

Linearity

- 200 mg/dL (2 g/L)

Reference Range

- Urine: 28 - 141 mg/day (0.028 - 0.141 g/day)⁽¹⁾
- CSF Adults: 15 - 40 mg/dL (0.15 - 0.40 g/L)⁽²⁾
- CSF Newborn, <1 month: 20 - 120 mg/dL (0.20 - 1.20 g/L)⁽²⁾

(a) The performance of this method (y) was compared with the performance of a similar method (x).

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Ordering information

	Configuration	Catalog Number
TOTAL PROTEIN (MICRO)	R1 2 x 250mL REAGENT 1 x 15mL CALIBRATOR	450-50

(1) Watanabe, N., Kamel, S., Ohkubo, A., Tokudo, K., Urinary Protein as measured with a Pyrogallol Red-Molybdate complex, manually and on a Hitachi 726 automated analyzer, Clin. Chem. 32, 8, 1551 (1986).

(2) Tietz, N.W., Textbook of Clinical Chemistry, W.B. Saunders Co. 1986, p. 1844.



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