

Urea L3K[®]

FOR THE QUANTITATIVE MEASUREMENT OF UREA

METHOD: ENZYMATIC (UREASE); RATE

Urea measurements are used as an aid to monitor and diagnose renal disease.

The Sekisui Urea L3K[®] assay employs the urease method with a stabilized NADH cofactor analog for improved performance. It is intended for the measurement of urea in serum.

Features:

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

Benefits:

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

Performance Characteristics

Precision

- Within-Run: $\leq 2.9\%$
- Total Precision: $\leq 4.0\%$

Accuracy^(a)

- Slope: 1.00
- Intercept: -0.1 mg/dL (-0.04 mmol/L)
- Correlation Coefficient: 0.9951

Linearity

- 4 - 150 mg/dL (1.4 - 53.6 mmol/L)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 1000 mg/dL (155 $\mu\text{mol/L}$)
- Bilirubin: 40 mg/dL (684 $\mu\text{mol/L}$)
- Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)

Reference Range⁽¹⁾

- Urea: 11 - 37 mg/dL (3.9 - 13.2 mmol/L)
- Urea Nitrogen: 5 - 17 mg/dL (1.8 - 6.1 mmol/L)

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

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Ordering information

	Configuration	Catalog Number
UREA L3K [®]	R1 6 x 30mL	283-30
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) Kaplan, L.A. and Pesce, A.J., *Clinical Chemistry – Theory, Analysis, and Correlation, Third Edition*. Mosby Year-Book Inc., St. Louis, p. 500 (1996).



Experience + Technology + Portfolio + Support = **CLINICAL CHEMABILITY[™]**

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