

Uric Acid-SL

FOR THE QUANTITATIVE MEASUREMENT OF URIC ACID

METHOD: ENZYMATIC (URICASE); ENDPOINT

Uric acid measurements are used as an aid to monitor and diagnose gout and renal disease.

The Sekisui Uric Acid procedure uses a spectrophotometric method that is highly specific for the measurement of uric acid in serum.

Features:

- One part stable liquid
- Applicable to multiple chemistry platforms
- Wide linear range*

Benefits:

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

Performance Characteristics

Precision

- Within-Run: $\leq 1.3\%$
- Total Precision: $\leq 2.5\%$

Accuracy^(a)

- Slope: 1.078
- Intercept: 0.1 mg/dL (3 $\mu\text{mol/L}$)
- Correlation Coefficient: 0.9937

Linearity

- 0.3 - 20.0 mg/dL (18 - 1190 $\mu\text{mol/L}$)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 100 mg/dL (15.5 $\mu\text{mol/L}$)
- Bilirubin: 8.0 mg/dL (136.8 $\mu\text{mol/L}$)

Reference Range⁽¹⁾

- Males: 2.5 - 7.0 mg/dL (149 - 417 $\mu\text{mol/L}$)
- Females: 1.5 - 6.0 mg/dL (89 - 357 $\mu\text{mol/L}$)

(a) The performance of this method (y) was compared with the performance of a similar method (x) on a Roche/Hitachi® 704 analyzer.

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Ordering information

	Configuration	Catalog Number
URIC ACID-SL	R1 2 X 100mL	237-60
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) Burtis, C.A., Ashwood, E.R., Editors, *Tietz Textbook of Clinical Chemistry*, Second Edition, W.B. Saunders Co., Philadelphia, PA, (1994).
*Compared to the reference range

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THE AMERICAS

Sekisui Diagnostics, LLC
One Wall Street
Burlington, MA 01803
Phone: 800 332 1042
Fax: 800 762 6311
Email: questions@sekisui-dx.com

INTERNATIONAL

Sekisui Diagnostics (UK) Limited
Liphook Way, Allington
Maidstone, Kent, ME16 0LQ, UK
Phone: +44 1622 607800
Fax: +44 1622 607801
Email: info@sekisui-dx.com



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www.sekisuidiagnostics.com