

Glucose-SL

FOR THE QUANTITATIVE MEASUREMENT OF GLUCOSE

METHOD: ENZYMATIC (HEXOKINASE); ENDPOINT

Glucose measurements are used as an aid to monitor and diagnose diabetes, hypoglycemia and various adrenal and pituitary disorders.

Sekisui's Glucose-SL assay employs an enzymatic method using a hexokinase procedure as a reliable determinant for the quantitative measurement of glucose in serum.

Features:

- One part, stable liquid
- Applicable to multiple instrument platforms

Benefits:

- Easy to use, no additional reagent preparation required
- Flexible testing, well suited for use with fully automated procedures

Performance Characteristics

Precision

- Within-Run: $\leq 0.4\%$
- Total Precision: $\leq 1.3\%$

Accuracy^(a)

- Slope: 0.9849
- Intercept: 2.3 mg/dL (0.13 mmol/L)
- Correlation Coefficient: 0.9992

Linearity

- 0.6 - 600 mg/dL (0.03 - 33.3 mmol/L)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 1000 mg/dL (155 $\mu\text{mol/L}$)
- Bilirubin: 20 mg/dL (342 $\mu\text{mol/L}$)
- Intralipid: 100 mg/dL (300 mg/dL (3.4 mmol/L) Simulated Triglycerides)

Reference Range⁽¹⁾

- 70 - 105 mg/dL (3.9 - 5.8 mmol/L)

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

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Ordering information

	Configuration	Catalog Number
Glucose-SL	R1 2 x 100mL	235-60
Glucose-SL	R1 1 x 1000mL	235-99
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 Company, Philadelphia, PA (1994).

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