

Creatine Kinase-SL

FOR THE QUANTITATIVE MEASUREMENT OF CREATINE KINASE (CK)

METHOD: ENZYMATIC (NAC ACTIVATED); KINETIC

CK measurements are used as an aid to monitor and diagnose heart disease.

The Sekisui CK-SL method employs a procedure which inhibits interference caused by adenylate kinase activity. It is intended for the quantitative measurement of creatine kinase activity in serum.

Features:

- Two part, stable liquid; ready to use reagent
- Wide linear range
- No significant interference displayed from samples with elevated levels of icterus or lipemia
- Applicable to multiple chemistry platforms

Benefits:

- Easy to use; no additional reagent preparation required
- Reduces repeat testing and the need for sample dilutions
- High reliability of testing
- Flexible laboratory testing

Performance Characteristics

Precision

- Within-Run: $\leq 0.4\%$
- Total Precision: $\leq 2.5\%$

Accuracy^(a)

- Slope: 1.02
- Intercept: 1.3 U/L
- Correlation Coefficient: 0.9993

Linearity

- 2 - 1500 U/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: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)

Reference Range⁽¹⁾

- Males: 38 - 174 U/L (37°C)
- Females: 26 - 140 U/L (37°C)

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

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Ordering information

	Configuration	Catalog Number
Creatine Kinase-SL	R1 1 x 100mL R2 1 x 25mL	326-10
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., (Ed), Tietz Textbook of Clinical Chemistry, W.B. Saunders Co., Toronto, (1994).



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