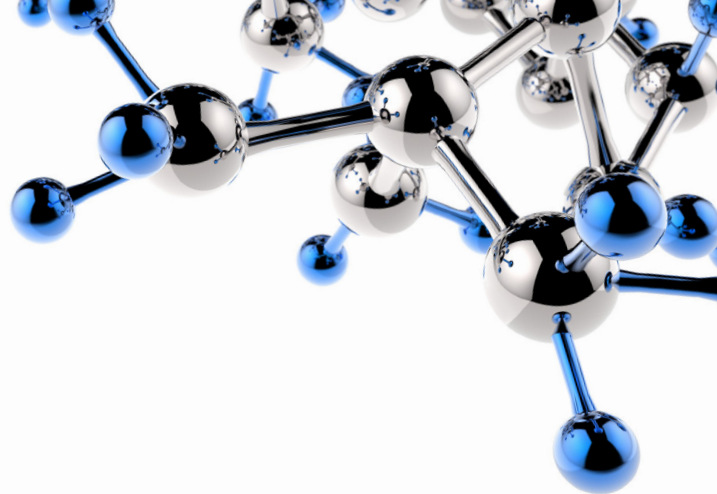


# CLINICAL CHEMISTRY



## Creatinine-S

### FOR THE QUANTITATIVE MEASUREMENT OF CREATININE

#### METHOD: MODIFIED JAFFÉ; KINETIC

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

SEKISUI'S Creatinine-S method is a modified kinetic, Jaffé procedure, capable of further reducing potential interferences when compared to conventional kinetic creatinine methods. It is intended for the measurement of creatinine concentration in serum and urine.

#### Features

- Two part stable liquid ready to use reagent
- No significant lipemic interference
- 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

###### SERUM

- Within-Run:  $\leq 1.7\%$
- Total Precision:  $\leq 2.9\%$

###### URINE

- Within-Run:  $\leq 0.9\%$
- Total Precision:  $\leq 1.4\%$

##### Accuracy<sup>(a)</sup>

###### SERUM

- Slope: 1.008
- Intercept: 0.003 mg/dL (0.27  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.999

###### URINE

- Slope: 0.9535
- Intercept: 0.01 mg/dL (0.88  $\mu\text{mol/L}$ )
- Correlation Coefficient: 0.9998

##### Linearity

- 0.1 - 22.0 mg/dL (9 - 1945  $\mu\text{mol/L}$ )

##### No Significant Interferences Up to Levels Indicated

- Hemoglobin: 750 mg/dL (116  $\mu\text{mol/L}$ )
- Bilirubin: 10 mg/dL (171  $\mu\text{mol/L}$ )
- Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)

##### Reference Range<sup>(1)</sup>

###### SERUM

- 0.5 - 1.2 mg/dL (44 - 106  $\mu\text{mol/L}$ )

###### URINE

- Male: 800 - 2000 mg/24 hours (7072 - 17680  $\mu\text{mol/24 hours}$ )
- Female: 600 - 1800 mg/24 hours (5304 - 15912  $\mu\text{mol/24 hours}$ )

(a) The performance of this method (y) was compared with the performance of a similar creatinine procedure (x) using an automated analyzer.

(1) Tietz, N.W., *Textbook of Clinical Chemistry*, W.B. Saunders Company (1986).

# Total Bilirubin-SL-X Reagent

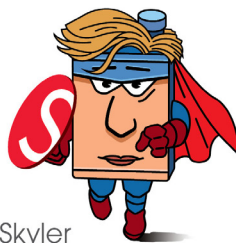
## Ordering Information

	Configuration	Catalog Number
CREATININE-S	R1 2 x 250mL R2 1 x 125mL	221-30
CREATININE-S	R1 1 x 1000mL R2 1 x 250mL	221-50
DC-CAL CALIBRATOR	5 x 3mL	SE-035
DC-TROL LEVELS 1 & 2	Level 1 5 x 5mL Level 2 5 x 5mL	SM-057

To learn more about our clinical chemistry reagent products scan the QR code or go to [Clinical Chemistry Reagents – SEKISUI Diagnostics](#).



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