

# Creatine Kinase

Diagnostic Chemicals Limited offers the clinical laboratory a choice of formulations for the determination of Creatine Kinase (CK) activity in serum. The dual vial, stable liquid formulation, Creatine Kinase-SL, eliminates the necessity of reconstitution, reducing errors and wasted preparation time. A single vial, lyophilized reagent is offered with buffer for a single step reconstitution for smaller analyzers. Both stable liquid and lyophilized powder use an NAC-optimized methodology to inhibit the interference caused by adenylate kinase activity for the highest degree of accuracy and reproducibility.

## Performance (Stable Liquid)

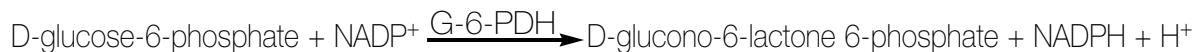
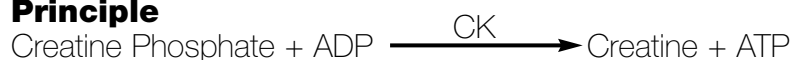
- Linear from 2 to 1500 U/L
- Linear regression = 1.02 (reference method) + 1.3 U/L
- Correlation coefficient of 0.9993

## Precision of Assay (Stable Liquid)

Data was collected on two control sera using a single lot of reagent in 40 runs conducted over 20 days.

Level U/L	Total SD U/L	Total CV %	Within-Run SD U/L	Within-Run CV %
288	7.1	2.5	1.3	0.4
748	15.7	2.1	2.3	0.3

## Principle



## Creatine Kinase-SL

Dual stable liquid, ready-to-use formulation, 12 month shelf life at 2-8°C

Cat. No. 326-10	NAC Activated, Kinetic, 340 nm	1 x 100 mL + 1 x 25 mL
Cat. No. 326-30	NAC Activated, Kinetic, 340 nm	3 x 100 mL + 1 x 75 mL
Cat. No. 326-17	NAC Activated, Kinetic, 340 nm	4 x 80 mL + 4 x 20 mL (wedge packaging)

## Creatine Kinase

Single vial, lyophilized formulation, 24 month shelf life at 2-8°C

Cat. No. 310-46	NAC Activated, Kinetic, 340 nm	10 x 6.5 mL
Cat. No. 310-56	NAC Activated, Kinetic, 340 nm	12 x 20 mL
Cat. No. 310-40	NAC Activated, Kinetic, 340 nm	4 x 100 mL
Cat. No. 310-42	NAC Activated, Kinetic, 340 nm	1 x 1000 mL

## Associated Products

Cat. No. SE-035	DC-Cal Calibrator	5 x 3 mL
Cat. No. SM-052	DC-Trol Level 1 Control (Normal)	10 x 5 mL
Cat. No. SM-056	DC-Trol Level 2 Control (Abnormal)	10 x 5 mL

326.1S  
2/7/02



## Diagnostic Chemicals Limited

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