



Creatine kinase (CK) Activity Assay Kit

Cat No: HR3BC1196

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(340 nm)
Assay Time	80 min
Validity	3
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,animal tissue,cells
Synonyms	CK,Creatine phosphokinase
Instrument	Spectrophotometer(340 nm)
Detection Principle	Creatine kinase (CK) catalyze creatine phosphate and ADP to produce creatine and ATP. Hexokinase catalyze creatine and glucose to produce glucose-6-phosphate. Glucose-6-phosphate dehydrogenase (G-6-PD) catalyze glucose-6-phosphate and NADP+ to produce NADPH which have a maximum absorption peak at 340 nm. The CK activity can be calculated by measuring the OD values at 340 nm.
Reagents	PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Incubator, Vortex mixer
Size	100Assays
Sensitivity	3.7 U/L
Detection Range	3.7-160 U/L
Recovery Rate	