



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	CREATINE KINASE Bovine
ACTIVITY:	Typically >100 u/mg @ 37C
CAS NO:	I9001-15-4
CAT. NO:	190-10
EC NO:	2.7.3.2
EXPIRATION:	1 year
FORM:	Lyophilized from 20mM Tris, 1mM EDTA, and 1mM DTT
SOURCE:	Bovine Heart
STORAGE:	-20 C
SYNONYMS:	Creatine Phosphokinase,CK, CPK

Creatine Kinase (CPK) also known as CK, Creatine Kinase, Creatine Phosphokinase is an enzyme present in muscle, brain, and other tissues of vertebrates that catalyzes the reversible conversion of ADP and phosphocreatine into ATP and creatine.

Creatine Kinase CK(CPK)UNIT DEFINITION: One Unit will transfer one mmole of phosphate from Creatine Phosphate to ADP per minute @ 37C. Measured at 340 nm as one equimolar amount of NADH produced by a coupled reaction.

Creatine Kinase CPK Clinical Significance: Detection of Heart Disease, Liver Disease, Diseases of the Central Nervous System and Thyroid Disease

Our Creatine Kinase CPK products are extensively used in multi analyte clinical chemistry controls and calibrators for major IVD manufacturer(s)