

Creatine Kinase MB, Human Heart

04/21

CATALOG NO:	P1725-50 50 U P1725-100 100 U
ALTERNATE NAMES:	CKB; CKM; CKMB; CK MB
NCBI GENE ID:	CKM – 1158; CKB – 1152
ACCESSION NO.:	CKM – P06732; CKB – P12277
PURITY:	100% CK MB by electrophoresis (no CK MM or CK BB detected)
SOURCE:	Human heart tissue
FORM:	Liquid
FORMULATION:	Liquid, in 10 mM NaCl, 5 mM succinate, 1 mM EDTA & DTE, 50% glycerol, pH 7.0
SPECIFIC ACTIVITY:	> 250 U/mL at 37 °C
UNIT DEFINITION:	One unit will transfer one micromole of phosphate from creatinine phosphate to ADP per minute at 37 °C (measured at 340 nm as one equimolar amount of NADH produced by coupled reaction)
STORAGE CONDITIONS:	Store at 4 °C.
DESCRIPTION:	Creatine kinase is a cytoplasmic enzyme that reversibly catalyzes the transfer of a phosphate between ATP and various other molecules such as creatine phosphate. Creatine kinase MB is a heterodimer composed of one M chain and one B chain, and is found in the heart.
INFECTIOUS DISEASE TESTING:	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, and HCV by current FDA approved methods.
RELATED PRODUCTS:	Anti-CK-MB Monoclonal Antibody (Cat. No. A2087) Creatine Kinase MT, Human Recombinant (Cat. No. P1578) Creatine Kinase (CK) Activity Colorimetric Assay Kit (Cat. No. K777) Creatine Kinase (CK/CPK), Rabbit Muscle (Cat. No. P1301) Human Recombinant CKMM (Cat. No. P1610) Creatine Kinase MB (CK-MB) (Human) ELISA Kit (Cat. No. E4606)

FOR RESEARCH USE ONLY! Not to be used on humans.