



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	CKMB Isoenzyme antigen grade Human
ACTIVITY:	Typically >1000 u/ml @ 37C
APPEARANCE:	Clear and colorless
CAT. NO:	I190-24A
CK ELECTROPHORESIS:	100% CKMB, no CKMM or CKBB detected
EXPIRATION:	1 year
FORM:	50% Glycerol Solution 5mM Succinate, 1mM EDTA & DTE, 10mM NaCl
PROTEIN:	Typically >0.5 mg/ml by Coomassie
PURITY:	>90% purity based on SDS Page
SOURCE:	Human Heart
STORAGE:	2-8 C
SYNONYMS:	Creatine kinase MB, CKMB isoenzyme, CK MB
UNSPSC CODE:	51131907

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

Human isoenzyme creatine kinase CKMB, CK-MB (CPK-2) isoenzyme is used due to its ability to detect reinfarction. Human creatine kinase CKMB isoenzyme used to be the gold standard for myocardial necrosis.

Human creatine kinase CKMB(CPK-MB) isoenzyme (also called CPK-2 isoenzyme) is found mostly in the heart.

Human creatine kinase CKMB,CK-MB isoenzyme(CPK-2) is one of the most important myocardial markers (in spite of not being altogether cardiac-specific), with well-established roles in confirming acute myocardial infarction (AMI). Human creatine kinase CK-MB CKMB isoenzyme is also used for monitoring reperfusion during thrombolytic therapy following AMI.