



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	CK BB Isoenzyme Human
ACTIVITY:	Typically >500 u/ml @ 37C
CAT. NO:	I191-25
CK ELECTROPHORESIS:	100% CKBB, no CKMM or CKMB detected
EXPIRATION:	1 year
FORM:	50% Glycerol, 25mM Imidazole, 1mM DTE, pH 6.5
PROTEIN:	Typically >1 mg Protein/ml
PURITY:	CK electrophoresis shows 100% CKBB
SOURCE:	Human Brain
STORAGE:	-40 C
SYNONYMS:	CPK-1, CPKBB isoenzyme
UNSPSC CODE:	51131907

Human creatine kinase CKBB(CK-BB)(CPK-1) isoenzyme BULK QUANTITIES from 50-250 mg single lot sizes. As a major bulk manufacturer of cardiac marker(s) we can supply in buffer of your choice.

Human creatine kinase(CPK)CK UNIT DEFINITION: One unit will transfer one micromole 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 creatine kinase CPK-1 (also called CK-BB or CPKBB)isoenzme is concentrated in the brain and lungs Because the human CPK-1 (CKBB)isoenzyme is predominately found in the brain and lungs, injury to either of these organs (for example, stroke or lung injury due to a pulmonary embolism) are associated with elevated levels of human creatine kinase CKBB isoenzyme

Background: Human Creatine phosphokinase (CK)CPK, creatine kinase isoenzymes are performed when the total human CK,CPK level is elevated. Human creatine kinase CK(CPK)isoenzyme testing can help differentiate the source of the damaged tissue. Human (CPK)CK creatine kinase enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes: Human (CKMM)CK-MM, Human (CKBB)CK-BB isoenzyme and Human (CKMB)CK-MB isoenzyme exist.