



CERTIFICATE OF ANALYSIS

HUMAN TISSUE PROTEIN

Creatine Kinase MM

Code No. P189-9 Grade Standard

Lot No.

RECEIVER INFORMATION

Expiry Date Manufacture Date

Storage Temperature Store below -15°C.

Storage Notes Avoid freeze thaw cycles.

Shipping Notes Cool pack.

PRODUCT INFORMATION

Source Human heart tissue.

Nominal Purity > 10%

Presentation Single homogenous batch, 0.2µm filtered, supplied lyophilised in 40mM

Tris-HCl buffer, pH 7.5, containing 1mM EDTA, 10mM n-Acetyl cysteine.

Unit DefinitionOne unit will transfer one micromole of phosphate from Creatine

phosphate to ATP per minute at 37°C. Measured at 340nm as one equimolar amount of NADH produced by a coupled reaction.

Reconstitution Advice Use of water is recommended.

To ensure full product recovery, it is advised that reconstitution is performed directly into the supplied vial incorporating further washings

with the reconstitution buffer.

HEALTH AND SAFETY

Application For Research and Manufacturing Only.

Infectious Disease Tests

Starting material tested using FDA approved tests for:	Result
HIV I & II antibodies	
Hepatitis B surface antigen	
Hepatitis C antibodies	

PrecautionNo test can guarantee the absence of an infectious agent. Please handle

as potentially hazardous.

Material Safety For further information and technical details, please download a Safety

Data Sheet at <u>www.bbisolutions.com</u> or contact your BBI Account

Manager.



ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
Determination Method		
Enzyme activity recovery calculated for a 100 unit vial as determined by the Dimension analyser.	> 50 U/vial.	U/vial.
Total protein concentration recovery as determined by coomassie.	Report result.	mg/vial.
Specific activity as measured on the Dimension analyser.	> 100 U/mg.	U/mg.
CKBB level as a percentage of CKMM, determined by Helena Laboratories QuickGel CK Vis Isoenzyme System.	< 1.50 %.	%.
Bioburden.	< 100 CFU/ml.	Pass/Fail.
Physical Appearance	White lyophilised solid.	
Purity	Defined as a major band on coomassie stained SDS-PAGE.	

Name:	Position:	
Signed:	Date:	