

PRODUCT SPECIFICATION

Creatine Kinase MB (CKMB), Human

Catalog Number: C1223 **Part Number:** 90060

Source: Human Heart

Form

Clear liquid - Buffer: 5mM Sodium Succinate, 10mM Sodium Chloride, 1mM EDTA, 5mM β -Mercaptoethanol, 50% Glycerol, pH 7.0 \pm 0.1

Purity Specification

> 99% CKMB by agarose electrophoresis when stained for creatine kinase activity (report method)

Protein / Content Specification

\geq 0.5 mg/ml by immunoassay (report method)

Report total protein concentration

(Lowry Protein Assay, BSA standard)

Activity Specification

> 350 units/ml at 30°C by CK-NAC Assay

Report specific activity (units/mg)

One unit converts 1 μ mole of creatine phosphate to creatine per minute at the specified temperature.

Storage / Shipping

Product is shipped using a refrigerated gel pack (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C short term (up to 2 weeks) or frozen between -10°C to -25°C. Avoid repeated freeze-thaw cycles.

Precaution / Hazard Statement

Tested and found negative for HIV 1 & 2, Hepatitis B, and Hepatitis C. Although source materials have been tested for certain diseases, no test can absolutely assure the absence of all infectious agents. Therefore, this product should be handled as a potential biohazard.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.