

## SPECIFICATION

### Creatine Kinase MB Isoenzyme Human Heart

#### GENERAL INFORMATION

|                  |             |                     |            |
|------------------|-------------|---------------------|------------|
| Catalogue Number | 190-24      | Storage Temperature | -20°C      |
| CAS Number       | 9001-15-4   | Shipping Note       | Cold packs |
| E.C. Number      | 2.7.3.2     |                     |            |
| Synonyms         | CKMB, CK-MB |                     |            |
| Molecular Weight | 84,000      |                     |            |

#### PRODUCT INFORMATION

|                   |  |
|-------------------|--|
| Source            | Human heart  |
| Form              | 0.2 micron filtered solution in 10 mM tris-succinate, 2 mM DTT, 2 mM EDTA, 175 mM sodium chloride, pH 7.0 with glycerol added to 50% (v/v)                               |
| Appearance        | Clear, light brown solution  |
| Activity          | ≥ 1,000 U/mL (Dimension® Clinical Chemistry System)  |
| Unit Definition   | One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.   |
| Protein           | ≥ 10 mg/mL (Coomassie)   |
| Specific Activity | Report U/mg protein  |
| Electrophoresis   | ≥ 99% CKMB (Helena QuickGel® CK)   |
| Contaminants      | GOT ≤ 1%<br>LDH ≤ 1%   |
| Country of Origin | United States of America (Note: Donor material originates from TSE, CJD and vCJD-free countries, and mandatorily reports requirements for occurrence of these diseases.) |
| Recertification   | Two years from date of manufacture   |

#### HANDLING INFORMATION

|          |   |
|----------|---|
| Handling | Handle as a potentially hazardous substance.    |
| Recovery | Centrifuge briefly to ensure complete recovery. |

Non-infectious disease statement: Negative or non-reactive at the donor level for anti HIV 1 and 2, anti HCV, HBsAg, HCV NAT, HBV NAT, HIV-1 NAT and syphilis by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Biosafety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009. This product is intended for research, laboratory use, or further manufacturing. It is not for administration to humans. We certify this to be true to the best of our knowledge. The statements herein are offered for informational purposes only and are intended to be used solely for your consideration, investigation and verification. The suitability of this product for each application must be determined by each end user.

