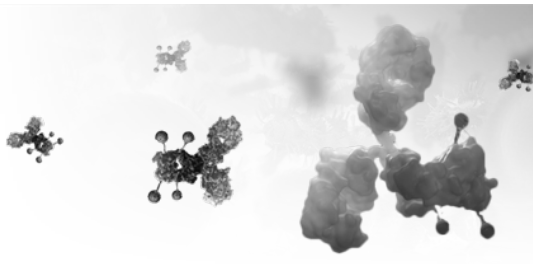

# Human CK-MB Calibrator (DAG271C)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| **Species** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | This product is intended for use in the calibration of CK-MB assays on clinical chemistry systems. |
| **Reconstitution** | Open one vial of control serum very carefully, avoiding any loss of material, and reconstitute in exactly 1 ml of redistilled water. Close vial and leave to stand for 15 mins., dissolving contents completely by swirling or rotating gently. |
| **Format** | Lyophilised |
| **Size** | 10 x 1 ml |
| **Buffer** | 100% Human Serum |
| **Preservative** | None |
| **Storage** | Stable to expiry date at 2°C to 8°C prior to reconstitution. Reconstituted stability of 5 days at 2°C to 8°C, , 8 hours at +25°C and 28 days at -20°C |

## BACKGROUND

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| **Introduction** | CreatineKinase MB consists of a dimer of nonidentical chains. With MM being the majorform in skeletal muscle and myocardium, MB existing in myocardium, and BBexisting in many tissues, especially brain. Creatine Kinase MB reversiblycatalyses the transfer of phosphate between ATP and various phosphogens. Thecreatine kinase isoenzymes play a central role in energy transduction intissues with large fluctuating energy demands such as skeletal muscle, heart,brain and spermatozoa. |

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| **Keywords** | CKB; creatine kinase, brain; CKBB; creatine kinase B-type; creatine kinase-B; creatine kinase B chain; B-CK |

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