

Native Horse Myoglobin

Cat. No. MB-238E Lot. No. (See product label)

SPECIFICATION

Product Overview Purified Native Equine/Horse Heart Myoglobin. CAS Number: 100684-32-0; E.C. Number: 309-705-0

Species Equine

Source Equine/Horse Heart

Description Myoglobin is found in skeletal and cardiac muscle cells and is capable of reversibly binding molecular oxygen and enhancing the rate of oxygen diffusion through the muscle cell. It is an oxygen carrier in the cytoplasm and appears to be responsible for the transport of oxygen from the cell membrane to the mitochondrion. Cardiac Myoglobin is a Haem containing protein and implicated as a cause of acute renal failure following damage to muscle tissue (e.g. rhabdomyolysis, severe crush trauma, malignant hyperthermia, status epilepticus and neuroleptic malignant syndrome), due to its toxicity to renal tubular epithelium.

Form Lyophilized powder, may contain traces of buffer salts

Purity $\geq 98\%$ (SDS-PAGE, Single band)

Concentration ≥ 0.85 mg protein/mg

GENE INFORMATION

Gene Name MB myoglobin [*Equus caballus*]

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 45-1 Ramsey Road, Shirley, NY 11967, USA



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|------------------------|------------------------------|
| Official Symbol | MB |
| Synonyms | MB; myoglobin; |
| Gene ID | 100054434 |
| mRNA Refseq | NM_001164016 |
| Protein Refseq | NP_001157488 |

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