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	>= 98% (SDS-PAGE, Single band)
Concentration	>= 0.85 mg protein/mg

GENE INFORMATION

Gene Name	MB myoglobin [Equus caballus]

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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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