

Life Diagnostics, Inc.

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Rat Cardiac Myoglobin

Catalog No.	7520
Analysis	SDS PAGE: Single 17 kDa band
Purity	≥95%
Concentration	0.5 – 2.5 mg/ml (Bradford assay vs. BSA)
Buffer	50% Glycerol, 75 mM NaCl, 5 mM sodium phosphate, 0.025% NaN ₃ (pH 7.2)
Storage	-20°C (do not store at lower temperatures)
Source	Rat heart

Myoglobin is a single-chain heme containing protein with a molecular weight of ~17kDa. It is the primary oxygen-carrying protein of muscle tissues. The same isoform is expressed in both cardiac and skeletal muscle. It is a sensitive biomarker for muscle injury and has been widely used as a marker of heart disease. Myoglobin is purified using a combination of gel-filtration and ion-exchange chromatography steps.

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