

Life Diagnostics, Inc.

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Guinea Pig Cardiac Myoglobin

Catalog No.	7921
Analysis	SDS PAGE: Single 17 kDa band
Purity	>95%
Concentration	0.5 -2 mg/ml (Assuming and $A_{280} = 0.837$ for a 1 mg/ml solution/path length = 1 cm)
Buffer	50% Glycerol, 75 mM NaCl, 5 mM sodium phosphate, 0.05% NaN_3 (pH 7.2)
Storage	-20°C (do not store at lower temperatures)
Source	Guinea Pig hearts

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 at Life Diagnostics using a combination of gel-filtration and ion-exchange chromatography steps.

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