

CERTIFICATE OF ANALYSIS

HUMAN TISSUE PROTEIN

Human Myoglobin

Code No.	P136-3
Grade	Highly Pure
Lot No.	

RECEIVER INFORMATION

Expiry Date	Assign a 4 year shelf life
Manufacture Date	
Storage Temperature	Store at 2-8°C.
Storage Notes	Do not freeze.
Shipping Notes	Cool pack.

PRODUCT INFORMATION

Source	Human heart tissue.
Nominal Purity	>96%
Presentation	Single homogenous batch, 0.2µm filtered, supplied liquid in 0.05M phosphate buffer, pH 7.5, containing 0.15M NaCl and 0.09% NaN ₃ .
Recovery	In order to meet our customer needs, it should be noted that there is normally a dispensing overage allowance and the product recovery may, therefore, be greater than expected.

HEALTH AND SAFETY

Application	For Research and Manufacturing Only.
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Infectious Disease Tests

Starting material donor serum tested using FDA approved tests for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
HIV/HBV/HCV NAT	
Syphilis RPR	

Precaution	No test can guarantee the absence of an infectious agent. Please handle as potentially hazardous.
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Material Safety	For further information and technical details, please download a Safety Data Sheet at www.bbisolutions.com or contact your BBI Account Manager.
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ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
<u>Determination Method</u>		
Protein Concentration by Optical Density at 280nm Using $E_{0.1\%}^{1\text{cm}} = 1.74$	1-5 mg/ml	mg/ml
SDS-Polyacrylamide Gel Electrophoresis	To show a major band corresponding to Myoglobin molecular weight at 17.5kD. Other bands (including one possibly at approximately 17kD corresponding to Apomyoglobin, in certain conditions) are observed	Pass/Fail
Total Protein Concentration as Determined by Lowry Assay	1-5 mg/ml	mg/ml
Radial Immunodiffusion Vs. BBI Solutions Standard	To confirm identity and verify dispensing concentration	Pass/Fail
Bioburden	<10 CFU/ml	Pass/Fail
Physical Appearance	Red to brown liquid	
Purity	Defined by a major band on Coomassie stained SDS-PAGE	

Name:		Position:	
Signed:		Date:	