

CERTIFICATE OF ANALYSIS

HUMAN SERUM PROTEIN

Human C-Reactive Protein (CRP)

Code No.	P100-0
Grade	Ultra Pure
Lot No.	

RECEIVER INFORMATION

Expiry Date	(Shelf life is 3 years from date of manufacture)
Manufacturing Date	
Storage Temperature	2-8°C. Product deteriorates rapidly if stored at higher temperature.
Storage Notes	Do not freeze.
Shipping Notes	Cool pack.

PRODUCT INFORMATION

Source	Normal human serum/plasma.
Nominal Purity	≥99%.
Presentation	Single homogenous batch, 0.2µm filtered, supplied liquid in 20mM TRIS buffer, pH 8.0, containing 0.28M NaCl, 0.09% NaN ₃ and 5mM CaCl ₂ .
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 tested using FDA approved methods for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
HIV/HBV/HCV (PCR)	

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>		
Optical Density at 280nm using $E_{0.1\%}^{1\text{cm}} = 1.8$	>1 mg/ml	mg/ml
4-20% Native Polyacrylamide Gel Electrophoresis (PAGE)	To show one band corresponding to CRP molecular weight at approximately 114kD	Pass/Fail
Immunological Activity using Siemens BN Prospec CardioPhase® hsCRP	To confirm identity and verify dispensing concentration	Pass/Fail
2-D Immunoelectrophoresis IEP vs. antiserum to Whole Normal Human Serum and CRP Antibody	To show a single arc corresponding to CRP, against CRP Antibody with a potential low level arc against Normal Human Serum Antibody. No additional arcs should be present corresponding to other proteins	Pass/Fail
Bioburden	<10 CFU/ml	Pass/Fail

Physical Appearance Clear colourless liquid.

Purity Defined as a single band on coomassie stained PAGE and single arc on 2D IEP.

Name:		Position:	
Signed:		Date:	