

# CERTIFICATE OF ANALYSIS

## HUMAN SERUM PROTEIN

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Human Beta-2-Glycoprotein ( $\beta$ 2GP1)

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<b>Code No.</b>	<b>P195-5</b>
<b>Grade</b>	<b>Highly Pure</b>
<b>Lot No.</b>	

### RECEIVER INFORMATION

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**Expiry Date**  
**Manufacture Date**  
**Storage Temperature**      Store at 2-8°C.  
**Storage Notes**                      Do not freeze.  
**Shipping Notes**                      Cool pack.

### PRODUCT INFORMATION

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**Source**                                      Pooled normal human serum/plasma.

**Nominal Purity**                           $\geq 96\%$ .

**Presentation**                            Single homogenous batch, 0.2 $\mu$ m filtered, supplied lyophilised from 0.02M  $\text{NH}_4\text{HCO}_3$ . May contain traces of buffer salts.

**Reconstitution Advice**                Use of phosphate buffer, pH >7.0 containing 0.15M NaCl is recommended. To ensure full product recovery, it is advised that reconstitution is performed directly into supplied vial incorporating further washings with the reconstitution buffer.

**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

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**Application**                                For Research and Manufacturing Only.

### Infectious Disease Tests

All donations of starting material are tested using FDA approved methods for:	Result
HIV 1 & 2 antibodies	
Hepatitis B surface antigen	
Hepatitis C antibodies	
HIV / HBV / HCV NAT	
Parvovirus B19	
Starting material donor tested using FDA approved methods for:	Result
Syphilis	

**Precaution** No test can guarantee the absence of an infectious agent. Please handle as potentially hazardous.

**Material Safety** For further information and technical details, please download a Safety Data Sheet at [www.bbisolutions.com](http://www.bbisolutions.com) or contact your BBI Account Manager.

**ANALYSIS**

TESTS	SPECIFICATIONS	RESULTS
<b><u>Determination Method</u></b>		
<b>Optical Density at 280nm using <math>E^{1cm}_{0.1\%} = 0.94</math></b>	<b><math>\geq 0.5</math> mg/ml</b>	<b>mg/ml</b>
SDS-Polyacrylamide Gel Electrophoresis	To show a band corresponding to $\beta$ 2GP1 molecular weight of 50kD	Pass/Fail
Bioburden	<100 cfu/ml	Pass/Fail
<b>Physical Appearance</b>	White, lyophilised solid.	
<b>Purity</b>	Defined as a major band on coomassie stained SDS-PAGE.	

<b>Name:</b>		<b>Position:</b>	
<b>Signed:</b>		<b>Date:</b>	