

# CERTIFICATE OF ANALYSIS

HUMAN TISSUE PROTEIN

Human Prostate Acid Phosphatase

<b>Code No.</b>	<b>P116-1</b>
<b>Grade</b>	Highly Pure
<b>Lot No.</b>	

## RECEIVER INFORMATION

**Expiry Date**

**Manufacture date**

**Storage Temperature** 2-8°C.

**Storage Notes**

Do not freeze.

**Shipping Notes**

Cool pack.

## PRODUCT INFORMATION

**Source** Pooled human seminal fluid.

**Nominal purity** >96%

**Presentation** Single homogenous batch, 0.2 µm filtered, supplied lyophilised from 0.02M NH<sub>4</sub>HCO<sub>3</sub>.

**Reconstitution advice** Use of phosphate buffer 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

**Application** For Research and Manufacturing Only.

### Infectious Disease Tests

Starting material pool tested using FDA approved test methods for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
Syphilis	
HIV / HBV / HCV By PCR and NAT	

**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>		
Optical density at 280nm using $E_{0.1\%}^{1\text{cm}} = 1.44$	$\geq 1.0 - \leq 2.0$ mg/ml	mg/ml
Polyacrylamide Gradient Gel Electrophoresis	To show one band only at approximately 100kD corresponding to PAP molecular weight	Pass/Fail
Cellulose Acetate Electrophoresis	To show one band with $\beta_1$ electrophoretic mobility	Pass/Fail
Bioburden	< 100 cfu/ml	Pass/Fail
<b>Physical appearance</b>	White, lyophilised powder.	
<b>Purity</b>	Defined as a major band on coomassie stained PAGE.	

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