



# CERTIFICATE OF ANALYSIS

## **HUMAN TISSUE PROTEIN**

## Prostate Specific Antigen Alpha-1-Antichymotrypsin Complex

Code No. P192-9 Grade. Standard

Lot No.

### RECEIVER INFORMATION

Expiry Date

**Manufacture Date** 

Storage Temperature Below -15°C.

**Storage Notes** Avoid freeze thaw cycles. **Shipping Notes** Dry ice recommended.

#### PRODUCT INFORMATION

**Source** Components from seminal fluid and human serum from healthy

donors of American and European origin.

**Nominal Purity** ~70% of total protein is PSA-α<sub>1</sub> ACT. Free PSA/Total PSA ratio

<5%.

**Presentation** Single homogenous batch, 0.2µm filtered, supplied liquid frozen in

0.05M sodium phosphate buffer, pH 7.5, containing 0.15M NaCl

and 0.09% NaN<sub>3</sub>.

**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.



COAP192-9v6/template

**Material Safety** 

For further information and technical details, please download a Safety Data Sheet at <a href="www.bbisolutions.com">www.bbisolutions.com</a> or contact your BBI Account Manager.

## **ANALYSIS**

TESTS	SPECIFICATIONS	RESULTS
<b>Determination Method</b>		
Total PSA assay by BBI RID. Total PSA component multiplied by 2.85 (to calculate PSA/ACT content)	>1.0 mg/ml	mg/ml
SDS-Polyacrylamide Gel Electrophoresis	To show a major band corresponding to PSA-α <sub>1</sub> ACT complex with a molecular weight of approximately 81kD	Pass/Fail
Protein concentration estimated by optical density at 280nm	Report result	mg/ml
Free/ Total PSA ratio as determined by Roche Modular.	<5 %	%.
Bioburden	<100 cfu/ml	Pass/Fail
Physical appearance	Clear colourless frozen liquid.	
Purity	Defined as the concentration of PSA-ACT calculated from the RID result for PSA as a percentage of total protein by OD 280nm.	
Name:	Position:	

Signed:

Date: