

# CERTIFICATE OF ANALYSIS

## HUMAN URINE PROTEIN

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### Human Cystatin C

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<b>Code No.</b>	<b>P175-1</b>
<b>Grade</b>	<b>Highly pure</b>
<b>Lot No.</b>	

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#### RECEIVER INFORMATION

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**Expiry Date**

**Manufacture Date**

**Storage Temperature** Store 2-8°C short term. Long term <-15°C recommended.

**Shipping Notes** Cool pack

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#### PRODUCT INFORMATION

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**Source** Urine from patients with chronic renal tubular proteinuria.

**Nominal Purity** >96% of the protein is Cystatin C.

**Presentation** Single homogenous batch, supplied lyophilised, 0.2µm filtered from 0.02M NH<sub>4</sub>HCO<sub>3</sub> solution. May contain traces of buffer salts.

**Reconstitution Advice** Use of 0.02M NH<sub>4</sub>HCO<sub>3</sub> buffer 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.

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#### HEALTH AND SAFETY

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**Application** For Research and Manufacturing Only.

#### Infectious Disease Tests

Starting material tested for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	

**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**

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TESTS	SPECIFICATIONS	RESULTS
<b><u>Determination Method</u></b>		
<b>Protein Concentration by Optical Density at 280nm Using</b> $E^{1cm}_{0.1\%} = 0.91$	$\geq 1.0 - \leq 2.0$ mg/ml	mg/ml
Ouchterlony Immunodiffusion	To verify immunological identity	Pass/Fail
SDS- Polyacrylamide Gel Electrophoresis	To show one band corresponding to Cystatin C molecular weight of 13kD	Pass/Fail
Bioburden	<100 CFU/ml	Pass/Fail
<b>Physical Appearance</b>	White, lyophilised solid.	

**Purity** Defined as single band on coomassie stained SDS-PAGE.

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