

CERTIFICATE OF ANALYSIS

HUMAN URINE PROTEIN

Human Alpha-1-Microglobulin (α₁M)

Code No. P121-1
Grade Highly Pure

Lot No.

RECEIVER INFORMATION

Expiry Date

Manufacture Date

Storage Temperature Store at 2-8°C.

Storage NotesDo not freeze.
Shipping Notes
Cool pack.

PRODUCT INFORMATION

Source Human urine from patients with chronic renal tubular proteinuria.

Nominal purity >96%.

Presentation Single homogenous batch, 0.2µm filtered, supplied lyophilised

from 0.02M NH₄HCO₃ solution. 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

Application For Research and Manufacturing Only.

Infectious Disease Tests

| Starting material donor tested using FDA approved tests 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 or contact your BBI

Account Manager.



ANALYSIS

| TESTS | SPECIFICATIONS | RESULTS | |
|---|---|-----------------|--|
| Determination Method | | | |
| Protein concentration by optical density at 280nm using E ^{1cm} = 1.58 | > 1 mg/ml | mg/ml | |
| SDS-Polyacrylamide Gel Electrophoresis | To show one band corresponding to α ₁ M molecular weight of 27kD. Under certain conditions dimer (54kD) sub unit can be observed | Pass/Fail | |
| Radial immunodifusion vs. BBI Solutions SPRS standard | To confirm identity and verify the dispensing concentration | Pass/Fail | |
| Bioburden | < 100 CFU/mI | Pass/Fail | |
| Physical appearance | Off-white/light brown freeze dried solid. | | |
| Purity | Defined as a major band on coomassie st | ained SDS-PAGE. | |

| Name: | Position: | |
|---------|-----------|--|
| Signed: | Date: | |