

Native Antigens

Alpha-1-Microglobulin (Semi Pure)

Product Code : 00-AGN-RM-A1M-001



Alpha-1-Microglobulin (A1M) is a small globular protein found in all vertebrates including humans. It is synthesised in most cells of the body, mainly in the liver. It removes free radicals and oxidising agents (particularly heme) from tissues. The protein is believed to protect cells and tissues against the damage caused by reactive oxygen species or free haemoglobin. Normal urine contains traces of A1M, but in conditions with disturbed tubular function, reabsorption of A1M is reduced and increased amounts are found in urine. Therefore, A1M is a marker for renal tubular dysfunction and as a control and calibrator in various in vitro diagnostic testing kits. It can also be used as a coating antigen for ELISA or agglutination assays.

Specifications:

PARAMETERS

Physical Appearance

A1M Concentration

(Immunoturbidimetry)

Purity by SDS PAGE

Bioburden

pH

Form

Storage buffer

Storage temperature

Shelf life

Anti HIV-1&2 (ELISA)

Anti HCV (ELISA)

HBsAg Antigen (ELISA)

HBV DNA (PCR)

HCV RNA (PCR)

HIV DNA (PCR)

Source of the product

ACCEPTANCE CRITERIA

Brownish yellow solution

Range 0.8 to 4.0 mg/ml

20 to 80% (Band corresponding to Mol. Wt. of 27 to 30 kDa)

< 1500 CFU/ml

NA

Liquid

Tris Saline with 15mM NaN₃, pH 8.0±0.2

2 to 8°C

3 years

Negative

Negative

Negative

Not Detected

Not Detected

Not Detected

Human renal failure patient pooled urine

For research use or further manufacturing purposes only

CORPORATE OFFICE:

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Nariman Point,
Mumbai - 400 021, India
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PLANT ADDRESS:

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Native Antigens

Alpha-1-Microglobulin Concentrate

Product Code : 00-AGN-RM-A1M-003



Alpha-1-Microglobulin (A1M) is a small globular protein found in all vertebrates including humans. It is synthesised in most cells of the body, mainly in the liver. It removes free radicals and oxidising agents (particularly heme) from tissues. The protein is believed to protect cells and tissues against the damage caused by reactive oxygen species or free haemoglobin. Normal urine contains traces of A1M, but in conditions with disturbed tubular function, reabsorption of A1M is reduced and increased amounts are found in urine. Therefore, A1M is a marker for renal tubular dysfunction and as a control and calibrator in various in vitro diagnostic testing kits. It can also be used as a coating antigen for ELISA or agglutination assays.

Specifications:

PARAMETERS

Physical Appearance

A1M Concentration

(Immunoturbidimetry)

Total Protein (Biuret method)

Purity by SDS PAGE

Bioburden

pH

Form

Storage buffer

Storage temperature

Shelf life

Anti HIV-1&2 (ELISA)

Anti HCV (ELISA)

HBsAg Antigen (ELISA)

HBV DNA (PCR)

HCV RNA (PCR)

HIV DNA (PCR)

Source of the product

ACCEPTANCE CRITERIA

Brownish yellow solution

≥ 1.0 mg/ml

≥ 1.0 mg/ml

Band corresponding to Mol. Wt. of 27 to 30 kDa

< 1500 CFU/ml

6.9 to 7.1

Liquid

Phosphate buffer with 0.09% NaN₃, pH 7.0 ± 0.2

-20°C

3 years

Negative

Negative

Negative

Not Detected

Not Detected

Not Detected

Human renal failure patient pooled urine

For research use or further manufacturing purposes only

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