



Highly Purified Human α_1 -Antitrypsin (α_1 AT)

PRODUCT CODE : AJ 3053

SOURCE : Pooled normal human serum that has been tested negative on a single donor basis for HBsAg , anti-HIV-1/2 and anti-hepatitis C.

PRESENTATION : Supplied freeze-dried from 0.02M ammonium bicarbonate. The product may contain traces of buffer salts.

PURITY : Nominally greater than 96% of total protein is human α_1 -antitrypsin.

ANALYSES :

Type	Results
SDS-Polyacrylamide Gel Electrophoresis	Shows a band corresponding to the molecular weight of α_1 AT, 54kD
Cellulose Acetate Electrophoresis	Shows a band with α_1 -electrophoretic mobility
Protein determination by optical density using $E_{1cm,0.1\%}^{280nm} = 0.44$	mg/ml (dispensing solution)
Radial immunodiffusion (RID) using Dade Behring standard.	Positive reaction confirms identity.
Protein determination by the Lowry method	Confirms optical density result

RECONSTITUTION : Use of a phosphate buffer, pH >7.0, containing 0.15M NaCl is recommended.

STORAGE : +2°C to +8°C

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QUALITY
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