

**Product:**            a 1 Antitrypsin  
**Catalog #:**        12-7601  
**Amount:**          100 mg

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**DESCRIPTION:**

An acute-phase plasma protein found at 290 mg per 100 ml that functions as a protease inhibitor. Clinically its deficiency is associated with two major diseases, pulmonary emphysema and early onset/juvenile hepatic cirrhosis. It is elevated in inflammatory conditions, malignancies, liver disease and pregnancy and also after surgical trauma and use of oral contraceptives. The simultaneous determination of alpha 1 antitrypsin and ceruloplasmin permits differential diagnosis of liver afflictions.

**SOURCE:**

Human plasma

**MOLECULAR WEIGHT:**

52,000

**BUFFER:**

30 mM Na phosphate, pH 6.5, with 300 mM NaCl

**PURITY:**

> 95% by SDS-PAGE

**STORAGE:**

Frozen (-20°C)

**QUALITY CONTROL:**

Nonreactive and negative for HBsAg, anti-HCV, anti-HBc, and anti-HIV by FDA-required tests.

Because no test method can offer complete assurance that products derived from human source will not transmit infectious agents, it is recommended that this product be handled with the same precautions used for patient specimens.

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