

## Alpha-1 Antitrypsin Select

### Product Information

**Cat#No#** AI-343C

### Product Overview

Affinity chromatography resin with high selectivity for efficient industrial purification of alpha-1 antitrypsin (AAT).

Outstanding pressure and flow rates reduce process times and improve process economy.

Mild elution conditions at neutral pH The hydrophilic nature of the base matrix ensures low levels of non-specific binding.

### Description

Alpha-1 Antitrypsin Select is a packed-bed affinity chromatography resin with high selectivity for AAT. It can be used for purifying human AAT from plasma (including Cohn fractions), as well as from recombinant or transgenic sources. In a first capture step, Alpha-1 Antitrypsin Select gives high purity and yield. The resin can also be used in intermediate purification/polishing to enhance product purity.

### Matrix

Highly cross-linked spherical agarose

### Average particle size

~75 µm

### Ligand

Alpha-1 antitrypsin binding ligand

### Ligand density

Approx. 5.5 mg/ml of medium

### Dynamic binding capacity

Approx. 10 mg alpha-1 antitrypsin/mL resin

### Chemical stability

Stable in commonly used aqueous buffers

## Alpha-1 Antitrypsin Select

**pH working range**

3–10

**CIP stability**

2–11

**Storage**

20% ethanol in water

**Pack size**

25 mL

**BioProcess resin**

Yes