

# Alpha 1 Antitrypsin

**CPT Code:** 82103

**Order Code:** C1471

**ABN Requirement:** No

**Specimen:** Serum

**Volume:** 1.0 mL

**Minimum Volume:** 0.5 mL

**Container:** Gel-barrier tube (SST, Tiger Top)

## Collection:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Let tube stand in a vertical position to allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Transport:** Store serum at 2-8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

## Stability:

**Ambient (15-25°C):** 48 hours

**Refrigerated (2-8°C):** 7 days

**Frozen (-20°C):** 90 days

**Deep Frozen (-70°C):** 90 days

**Causes for Rejection:** Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits; grossly hemolyzed or lipemic specimens

**Methodology:** Nephelometry (NEPH)

**Turn Around Time:** 2-3 days

## Reference Range:

Age	mg/dL
All Ages	83-199

**Clinical Significance:** Alpha-1-Antitrypsin level may be increased in normal pregnancy and in several diseases including chronic pulmonary disease, hereditary angioedema, renal, gastric, liver, and pancreatic diseases, diabetes, carcinomas, and rheumatoid diseases. Alpha-1-Antitrypsin may be decreased in emphysema, hepatic cirrhosis, respiratory distress syndrome of the newborn, nephrosis, malnutrition, and cachexia.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*