

ALPHA 1-
ANTITRYPSIN
CLEARANCE,
FAECES AND
SERUM

Orderable - A1ATC

Turnaround Time: 10 days

Alternate Name(s):

Alpha-1 Antitrypsin Clearance
Alpha-1-Antitrypsin Clearance
Alpha1 Antitrypsin Clearance
Alpha 1 Antitrypsin Clearance



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Nephelometry



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)

Specimen:

FAECES:

Collect all faeces produced within a 24-hour period in fecal collection containers provided by the Core Laboratory upon request. If no specimen is obtained within 24 hours, extend collection time to 48 to 72 hours. Document time frame (duration of collection) on container.

SERUM:

| Adult | Pediatric |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| 5 mL Gold top Vacutainer tube | 0-2 years: 2 x 0.5 mL Red or Gold top Microtainer 2-10 years: 3 mL Red top Vacutainer tube |

Collection Information:

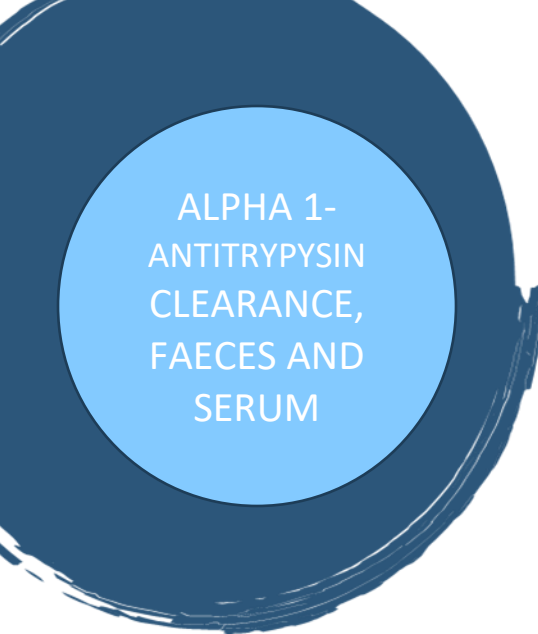
Both feces and serum are required.

Blood must be drawn during the stool collection period.

Blood and stool sample must be delivered to the laboratory together.

Minimum volume of serum required is 0.5 mL. Ship entire fecal collection.

Use of any preservative/fixative will be cause for sample rejection.



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Reference Ranges:

| | |
|---------------------------|-----------------|
| Clearance: | ≤27 mL/24 hours |
| Fecal alpha1-antitrypsin: | ≤54 mg/dL |
| Serum alpha1-antitrypsin: | 100-190 mg/dL |

Interpretive Comments:

Patients with protein-losing enteropathies generally have alpha1-antitrypsin clearance values >50 mL/24 hours.

Borderline elevations above the normal range are equivocal for protein-losing enteropathies.

Storage and Shipment:

Store and ship faeces (entire collection) and serum frozen. Faeces and serum should be shipped together. Specimens shipped separately may delay testing.