

## Antithrombin Activity, with Reflex to Antithrombin Antigen, Plasma

**Test ID:** AATTF; performed at Mayo Clinic Laboratories Florida.

### Useful for:

Diagnosis of antithrombin deficiency, acquired or congenital

### Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
AATTA	Antithrombin Summary Interp	No	No
ATTI	Antithrombin Antigen, P	Yes	No

### Methods:

Chromogenic Assay

### Reference Values:

Normal values:  
80%-130%

Normal, full-term newborn infants have lower levels (> or =35%-40%) that reach normal values by 90 days of age. Premature infants (30-36 weeks gestation) have lower levels that reach normal values by 180 days of age.

### Specimen Requirements:

**Specimen Type:** Platelet-poor plasma

**Collection Container/Tube:** Light-blue top (3.2% sodium citrate)

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL

**Collection Instructions:**

1. For complete instructions, see [Coagulation Guidelines for Specimen Handling and Processing](#).
2. Centrifuge, transfer all plasma into a plastic vial, and centrifuge plasma again.

3. Aliquot plasma into a plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
4. Freeze plasma immediately (no longer than 4 hours after collection) at -20 degrees C or ideally, at or below -40 degrees C.

**Minimum Volume:** 0.5 mL

**Specimen Stability Information:**

Specimen Type	Temperature	Time
Plasma Na Cit	Frozen	14 days

**Cautions:**

Heparin therapy may temporarily decrease plasma antithrombin activity.  
Antithrombin activity in serum specimens may be significantly lower than in plasma.

**CPT Code:**

85300  
85301 (if appropriate)

**Day(s) Performed:** Monday through Friday **Report Available:** 1 to 3 days

**Questions**

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.