

Antithrombin III Activity and Antigen

Test ID: 7017

CPT: 85300, 85301

Clinical Significance:

This assay is used to assess the availability of antithrombin, a potent, naturally occurring anticoagulant, by measuring total protein (antigen) and activity. Antithrombin deficiency may result in serious venous thrombosis and heparin resistance.

Profile Components:



Labtech Diagnostics

Container:

3.2% sodium citrate (light blue-top) tubes (x2)

Transport Temperature:

Frozen

Specimen:

Frozen plasma

Specimen Stability:

Room temperature: Unacceptable
Refrigerated: Unacceptable
Frozen: 21 days

Reject Criteria:

Hemolysis

Days Performed:

Mon-Fri

Collection Instructions:

Platelet poor plasma: Centrifuge light blue-top tube 15 minutes at approximately 1500 g within 60 minutes of collection. Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial. Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial. Plasma must be free of platelets ($<10,000/\mu\text{L}$). Freeze immediately and ship on dry ice. Do not thaw

Patient Preparation:

Patient should abstain from anabolic steroids, Gemfibrozil, Warfarin (Coumadin®), heparin therapy, asparaginase, estrogens, gestodene and oral contraceptives optimally for 3 days prior to specimen collection. Overnight fasting is preferred.