
Lab Dept: Coagulation

Test Name: ALPHA-2 ANTIPLASMIN CHROMOGENIC
(FAIRVIEW UNIVERSITY)

General Information

Lab Order Codes: A2AC

Synonyms: Alpha 2 Antiplasmin Activity; Antiplasmin Functional Assay

CPT Codes: 85410 – Alpha-2 antiplasmin

Test Includes: Antiplasmin activity level reported as a %.

Logistics

Test Indications: Alpha-2 Antiplasmin is a specific inhibitor of Plasmin. A deficiency may result in a bleeding tendency. Homozygous deficiency may cause severe bleeding. Elevated levels may cause thrombosis.

Lab Testing Sections: Coagulation - Sendouts

Referred to: Fairview University Medical Center (Forward to ARUP, Fairview/Altas test: A2AP)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours. Test is performed as needed.

Turnaround Time: Within 7 days

Special Instructions: Indicate when specimen is drawn from a line or a heparin lock. Deliver immediately to the laboratory.

Specimen

Specimen Type: Whole blood

Container: Light Blue top (Buffered Na Citrate 3.2%) tube

Draw Volume: 2.7 mL blood in a 3 mL tube (Minimum: 1.8 mL in a 2 mL tube).

Processed Volume: Specimens will be processed at reference lab facility if received within 4 hours of collection. Otherwise, specimens need to be processed at referring facility and provide minimum of two 0.5 mL specimens frozen at -70. Follow directions below under Special Processing.

Collection: **Do Not** use the first 2 mL's of blood collected.

Patients with hematocrit levels of >55% must have a special tube made to adjust for the hematocrit, contact laboratory for special tube.

Fill tube completely. Mix thoroughly by gentle inversion.

If the patient has a coagulation abnormality, apply direct pressure to the puncture site for 10 minutes; apply a pressure dressing. Instruct the patient to leave the bandage on for 12 hours.

Special Processing: **Lab Staff:** Do Not centrifuge. Do Not freeze. Send to reference lab in original Vacutainer® at room temperature if within 4 hours of collection. Forward promptly.

If specimen is >4 hours old prior to shipment, process specimen as follows:

Spin sample collected in blue top tube(s) for 5 minutes on the Stat Spin centrifuge, remove plasma and transfer to a 4 mL BCS sample cup(s), spin remaining plasma again for 5 minutes in the Stat Spin Centrifuge. Transfer plasma into two labeled 10x75 mL plastic tubes with a minimum of 0.5 mL in each. Freeze at -70 and send specimens on dry ice to Fairview University.

Patient Preparation: None

Sample Rejection: Improper tube; clotted samples; underfilled tubes; overfilled tubes; mislabeled or unlabeled specimens

Interpretive

Reference Range:

Age:	Range (%):
1 – 4 days	55 – 115%
5 – 29 days	70 – 130%
30 – 89 days	76 – 124%
90 – 179 days	76 – 140%
180 – 364 days	83 – 139%
1 – 5 years	93 – 117%

6 years	89 – 110%
7 – 9 years	88 – 147%
10 – 11 years	90 – 144%
12 – 13 years	87 – 142%
14 – 15 years	83 – 136%
16 – 17 years	77 – 134%
18 years and older	82 – 133%

Critical Values: N/A

Limitations: N/A

Methodology: Chromogenic (synthetic substrate) activity assay

References: [Fairview University Web Page](#) December 2017

Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis

Updates: 5/25/2010: Tubing patient specimens is no longer prohibited.
2/25/2014: Fairview specimen processing update.