## Lab Dept: Coagulation

## Test Name: ALPHA-2 ANTIPLASMIN CHROMOGENIC (FAIRIVEW 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:	<b>Do Not</b> 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

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

	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		

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.