	ASSAY	
General Information Lab Order Codes: F5		
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Synonyms: Labile Factor; F	Labile Factor; Proaccelerin; Factor V Activity; Factor 5	
CPT Codes: 85220 - Clotting	85220 - Clotting; factor 5 (AcG or Proaccelerin), labile factor	
Test Includes: Factor V level r	Factor V level reported as a %.	
Logistics		
	Useful for the detection of a single factor deficiency or in conjunction with Factor VIII liver disease.	
Lab Testing Sections: Coagulation	Coagulation	
Phone Numbers: MIN Lab: 612-8	MIN Lab: 612-813-6280	
STP Lab: 651-2	220-6550	
Test Availability: Daily, 24 hours	Daily, 24 hours; Testing is performed in Minneapolis Laboratory only.	
Turnaround Time: 4 hours	4 hours	
the request forr or assays, prec Indicate when s	Patient should not be receiving heparin. If so, this should be noted on the request form. Heparin therapy can affect certain coagulation factors or assays, preclude their performance, or cause spurious results. Indicate when specimen is drawn from a line or a heparin lock. Deliver immediately to the laboratory.	
Specimen		
Specimen Type: Whole blood	Whole blood	
Container: Light Blue top (Light Blue top (Buffered Na Citrate 3.2%) tube	
Draw Volume: 1.8 mL blood (i	1.8 mL blood (in 2 mL tube) or 2.7 mL blood (in a 3 mL tube).	
Processed Volume: 0.9 mL plasma	0.9 mL plasma	

Collection:	 A clean venipuncture is essential, avoid foaming. Entire sample must be collected with single collection, pooling of sample is unacceptable. Capillary collection is unacceptable. Patient's with a hematocrit level >55% must have a special tube made to adjust for the hematocrit; contact lab for a special tube. Mix thoroughly by gentle inversion. Deliver immediately to the laboratory at room temperature via courier or pneumatic tube. 	
	Off campus collections:	
	 Must be tested within 3 hours. Do not refrigerate. If not received in our lab within 3 hours of collection, sample must be centrifuged and *platelet-poor plasma removed from cells and transferred to an aliquot tube. Freeze at -20°C and deliver to the lab on dry ice within 2 weeks. *Validation of your lab's centrifuge for platelet poor plasma is required. 	
Special Processing:	Lab staff: Centrifuge in Stat Spin for 5 minutes or 10 minutes at 3000 rpm at room temperature. For primary tube testing, leave plasma on cells OR remove plasma and place in a 4 mL plastic cup; allow for 100 mL of dead-space.	
	 Test within: Three (3) hours when stored in the capped tube above the packed cells 18 to 24°C. Three (3) hours as plasma that has been separated from cells by centrifugation when stored 2 to 8°C or 18 to 24°C. Two (2) weeks when stored -20°C. Six (6) months when stored -70°C (rapidly frozen). Plasma must be frozen if testing cannot be completed within three (3) hours. Frozen plasmas are thawed at 37°C for three (3) minutes, test immediately. 	
Patient Preparation:	Avoid Coumadin ${}^{l\!\!R}$ therapy for two weeks and heparin therapy for two days prior to the test.	
Sample Rejection:	Improper tube; clotted samples; under-filled tubes; mislabeled or unlabeled specimens	
Interpretive		

Reference Range:

Age	Range
0 – 1 days:	54 – 90%
2 – 5 days:	70 – 120%

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	6 – 30 days:	80 – 116%	
	31 – 90 days:	69 – 111%	
	91 –180 days:	73 – 109%	
	6 months – 5 years:	79 – 127%	
	6 – 10 years:	63 – 116%	
	11 –16 years:	55 – 99%	
	>16 years	62 – 159%	
Critical Values:	N/A		
Limitations:	Interpretation of the results may be limited if patient is receiving anticoagulant therapy or if test is done more than 2 hours after collection.		
Methodology:	Thromboplastin clotting time correction of Factor 5 deficient plasma. Patient dilutions are compared to a known set of standard dilutions and a percentage is determined.		
Contraindications:	Patient on anticoagulant therapy.		
References:	Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis		
	Andrew M et al (1987) Development of the Human Coagulation System in the Healthy Full-Term Infant, Blood 70:165-72		
	Andrew M et al (1988) Development of the Human Coagulation System in the Healthy Premature Infant, Blood 72:1651-57		
	Andrew M et al (1992) Development of the Human Coagulation System During Childhood, Blood 80:1998-2005		
Updates:	5/24/2010: Tubing of patient specimens is no longer prohibited. 12/15/2010: Processing information updated.		
	7/18/23: Updated special processing instructions. Testing performed in Minneapolis laboratory only.		
	5/7/2025: updated stability from 4 to 3 hours per manufacturers instruction.		