Lab Dept:	Coagulation FACTOR IX ASSAY	
Test Name:		
General Information		
Lab Order Codes:	F9	
Synonyms:	Hemophilia B; Christmas Disease; Auto-prothrombin II; Plasma Thromboplastin Component; PTC; Factor IX Activity	
CPT Codes:	85250 – Clotting; factor IX (PTC or Christmas)	
Test Includes:	Factor IX level reported as a %.	
Logistics		
Test Indications:	Useful for the detection of a single factor congenital homozygous or heterozygous deficiency or acquired due to Vitamin K deficiency or I disease.	
Phone Numbers:	MIN Lab: 612-813-6280	
	STP Lab: 651-220-6550	
Test Availability:	Daily, 24 hours; Testing is performed at Minneapolis Laboratory only	
Turnaround Time:	4 hours	
Special Instructions:	Patient should not be receiving heparin. If so, this should be noted o the request form. Heparin therapy can affect certain coagulation fact or assays, preclude their performance, or cause spurious results. Indicate when specimen is drawn from a line or a heparin lock. Deliv immediately to the laboratory.	
Specimen		
Specimen Type:	Whole blood	
Container:	Light Blue top (Buffered Na Citrate 3.2%) tube	
Draw Volume:	1.8 mL blood (in 2 mL tube) or 2.7 mL blood (in a 3 mL tube).	
Processed Volume:	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. 	

Special Processing: Patient Preparation: Sample Rejection: Interpretive	rpm at room temperature cells OR remove plasma mL of dead-space. Test within: • Four (4) hours when st cells 18 to 24°C. • Four (4) hours as plasm centrifugation when store • Two (2) weeks when s • Six (6) months when st • Plasma must be frozer hours. • Frozen plasmas are th immediately. Avoid heparin therapy fo	e. For primary tube testing, leave plasma on a and place in a 4 mL plastic cup; allow for 100 tored in the capped tube above the packed ma that has been separated from cells by ed 2 to 8°C or 18 to 24°C.
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	rpm at room temperature cells OR remove plasma mL of dead-space. Test within: • Four (4) hours when st cells 18 to 24°C. • Four (4) hours as plasm centrifugation when store • Two (2) weeks when s • Six (6) months when st • Plasma must be frozen hours. • Frozen plasmas are th immediately.	e. For primary tube testing, leave plasma on a and place in a 4 mL plastic cup; allow for 100 tored in the capped tube above the packed ma that has been separated from cells by ed 2 to 8°C or 18 to 24°C. tored -20°C. tored -70°C (rapidly frozen). n if testing cannot be completed within four (4) nawed at 37°C for three (3) minutes, test
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Special Processing:	rpm at room temperature cells OR remove plasma	e. For primary tube testing, leave plasma on
	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.	
	 Mix thoroughly by gent laboratory at room temper Off campus collections Must be tested within 4 Do not refrigerate. If not received in our la centrifuged and *platelete transferred to an aliquot Centrifuge the plasma a tube being careful not to the tube. Freeze at -20°C weeks. 	

0 - 1 days:	34 - 72%	
2 - 5 days:	34 - 72%	
6 - 30 days:	36 - 66%	
31 - 90 days:	44 - 90%	
91 - 180 days:	61 - 111%	
6 months - 5 years:	47 - 104%	
6 - 10 years:	63 - 89%	
11 - 16 years:	82 - 122%	
>16 years:	55 - 165%	
N/A		
Interpretation of the results may be limited if patient is receiving anticoagulant therapy or if test is done more than 2 hours after collection. Results will be increased in patients taking oral contraceptives.		
Thromboplastin clotting time correction of Factor 9 deficient plasma. Patient dilutions are compared to a known set of standard dilutions and a percentage is determined.		
Patient on anticoagulant therapy.		
Andrew M et al (1987) Development of the Human Coagulation System in the Full Term Infant, Blood 70:165-72		
Andrew M et al (1988) Development of the Human Coagulation System in the Premature Infant, Blood 72:1651-57		
Andrew M et al (1992) Development of the Human Coagulation System During Childhood, Blood 80:1198-2005		
5/24/2010: Tubing of patient specimens is no longer prohibited. 12/15/2010: Processing information updated. 9/15/2014: Added Off Campus collection info.		
7/18/23: Updated special processing instructions. Testing performed at Minneapolis location only.		
	2 - 5 days: 6 - 30 days: 31 - 90 days: 91 - 180 days: 6 months - 5 years: 6 - 10 years: 11 - 16 years: 11 - 16 years: N/A Interpretation of the results will be contraceptives. Thromboplastin clotting Patient dilutions are corr a percentage is determined Patient on anticoagulant Andrew M et al (1987) D in the Full Term Infant, E Andrew M et al (1987) D in the Premature Infant, Andrew M et al (1988) D in the Premature Infant, Andrew M et al (1992) D During Childhood, Blood 5/24/2010: Tubing of part 12/15/2014: Added Off Ca 7/18/23: Updated specia	