Lab Dept:	Coagulation VON WILLEBRAND ANTIGEN	
Test Name:		
General Information		
Lab Order Codes:	VONAM	
Synonyms:	Factor VIIIR:Ag; Factor VIII Related Antigen; VIIIR Antigen; vWF Ag Factor VIII Activity; von Willebrand Factor Immunodeficiency Assay	
CPT Codes:	85246 – Factor VIII vW antigen factor	
Test Includes:	Von Willebrand antigen reported as a %.	
Logistics		
Test Indications:	Useful for diagnosis (or exclusion) of von Willebrands disease or trait.	
Lab Testing Section:	Coagulation	
Phone Numbers:	MIN Lab: 612-813-6280	
	STP Lab: 651-220-6550	
Test Availability:	Testing is performed at the Minneapolis Laboratory only.	
Turnaround Time:	3 – 5 Days (Performed on Tuesdays and Thursdays only)	
Special Instructions:	See Patient Preparation	
	Deliver immediately to the laboratory at room temperature. Indicate when specimen is drawn from a line or a heparin lock.	
Specimen		
Specimen Type:	Whole blood	
Container:	Light Blue (Buffered Na Citrate 3.2%) top tube	
Draw Volume:	1.8 mL blood (in 2 mL tube) or 2.7 mL blood (in a 3 mL tube).	
Processed Volume:	Minimum 0.9 mL plasma	

Collection:	<ul> <li>Entire sample m sample is unaccep</li> <li>Capillary collect</li> <li>Patient's with a made to adjust for</li> <li>Mix thoroughly b laboratory at room</li> </ul> Off campus colle <ul> <li>Must be tested w</li> <li>Do not refrigerate</li> <li>If not received in centrifuged and *p transferred to an a Centrifuge the plat tube being careful the tube. Freeze a weeks.</li> </ul>	ion is unacceptable. hematocrit level >55% must have a special tube the hematocrit; contact lab for a special tube. by gentle inversion. Deliver immediately to the temperature via courier or pneumatic tube. ections: within 4 hours.	
Special Processing:	rpm at room temp cells OR remove p mL of dead-space Test within: • Four (4) hours w cells 18 to 24°C. • Four (4) hours a centrifugation whe • Two (2) weeks w • Six (6) months w • Plasma must be hours.	ge in Stat Spin for 5 minutes or 10 minutes at 3000 erature. For primary tube testing, leave plasma on plasma and place in a 4 mL plastic cup; allow for 100  when stored in the capped tube above the packed as plasma that has been separated from cells by en stored 2 to 8°C or 18 to 24°C. when stored -20°C. when stored -70°C (rapidly frozen). e frozen if testing cannot be completed within four (4) are thawed at 37°C for three (3) minutes, test	
Patient Preparation:	Patient should not be on Heparin therapy for at least 2 days prior to testing.		
Sample Rejection:	Clotted sample; under-filled tube; overfilled tube; mislabeled or unlabeled specimens		
Interpretive			
Reference Range:	Age:	Range (%):	

## Full Term Infants

Day 1	50 – 207%

Day 5	50 – 254%	
Day 30	50 – 246%	
Day 90	50 – 206%	
Day 180	50 – 197%	
Childhood		
1 – 5 years	60 – 120%	
6 – 10 years	44 – 144%	
11 – 16 years	46 – 153%	
Adult	50 – 158%	

Critical Values:	N/A
Limitations:	This test measures the quantity of von Willebrand von Willebrand Antigen, factor protein not functional activity. Antigen and activity values are increased in patients who are pregnant or are taking oral contraceptives.
Methodology:	Measurement of von Willebrands factor protein i.e., antigen by the immuno-turbidimetric method. Patient dilutions are compared to a known set of standard dilutions and a percentage is determined.
References:	Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis
Updates:	5/24/2010: Tubing patient specimens is no longer prohibited. 12/14/2010: Updated processing information. 9/15/2014: Added Off Campus collection info.
	7/18/23: Updated special processing instructions. Testing performed in Minneapolis only Tuesday and Friday.