

















THE FRITSMA FACTOR	Spe	cimen Transport	t: No Ice	
Your	Samples with >50% VWF:RCo: 4°C, 6h			
Hemostasis	Assay	Sample 1	Sample 2	
Resource	VWF:Ag	42%	128%	
	VWF:RCo	38%	30%	
	VWF:CB	12%	28%	
	Sample 1: false diagnosis of VWD type 1 in a normal subject Sample 2: false diagnosis of VWD type 2 in a type 1 VWD patient • Also cold activates platelets and coagulation factor VII • Refrigerate EDTA tubes up to 24 h for hematology to stabilize platelet count and hematocrit • In clot tubes for clinical chemistry, cold raises serum K* Favalore E. Thromb Haemost 2001;86:1589–90 Young D. Effects of preanalytical variables on clinical laboratory tests. AACC Press, 1997			
	The Fritsma Factor		10	







THE FRITSMA FACTOR	Pre-pre: Pre-op Screen		
Your Interactive	Assay	Patient	RI
Hemostasis Resource	HGB	14.2 g/dL	13.5–15.6 g/dL
	PTT	29 s	25–35 s
	PT	12.4 s	9.8–12.6 s
	вт	16.5 m	2–9 m
	PLT count	310,000/µL	250–450,000/µL
	Fibrinogen	270 mg/dL	150-400 mg/dL
	D-dimer	190 ηg/mL	110–240 ŋg/mL
	No bleeding	g Hx, surgeoi	n postpones procedure
BAR	What	do you	recommend?
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THE FRITSMA FACTOR	Pre-pre Issue: Pre-op Screen		
Your Interactive	Assay	Patient	RI
Hemostasis Resource	HGB	10.2 g/dL	13.5–15.6 g/dL
	PTT	29 s	25–35 s
	PT	12.4 s	9.8–12.6 s
	PLT count	310,000/µL	250–450,000/µL
	Fibrinogen	270 mg/dL	150–400 mg/dL
	D-dimer	160 ηg/mL	110–240 ηg/mL
	Hx: Easy brui shaving. S	ising, chronic epi Surgeon decides	staxis, prolonged bleeding after to go ahead with procedure.
8	What	do you	recommend?
	The Fritsma Factor		15

THE FRITSMA FACTOR	Pre-pre Issue: Pre-op Screen		Pre-op Screen
Your Interactive	Assay	Patient	RI
Hemostasis Resource	HGB	14.2 g/dL	13.5–15.6 g/dL
	PTT	59 s	25–35 s
	PT	12.4 s	9.8–12.6 s
	PLT count	310,000/µL	250–450,000/µL
	Fibrinogen	270 mg/dL	150-400 mg/dL
	No bleedir	ng Hx, surgeo	on postpones procedure
	What	do you	recommend?

Your	Assay	Patient	RI
nteractive Hemostasis	Protein C Activity	61%	>70%
	Protein S activity	69%	>65%
	Antithrombin activity	27%	78-126%
	Factor VIII	125%	50-186%
	APCR	2.4	>1.8
	Factor II 20210	Wild-type	Wild-type
	PTT-LA	34 s	30–40 s
Shee	Homocysteine	9 ηmol/L	>18 ηmol/L
	50-YO man with DVT on UFH 4 days, physician orders thrombophilia profile.		

