











The Fritsma Factor, Your Interactive Hemostasis Resource^s^M Fritsma & Fritsma, LLC; www.fritsmafactor.com







THE FRITSMA FACTOR four nteractive temostavis Resource	Hemophilia A Symptoms Spontaneous anatomic (soft-tissue) bleeds • Bleeding at umbilical stump, circumcision • Delayed bleeding following injury - Joints, muscles, body cavities, GI, soft tissue, tongue, kidney, testicles, CNS • Often spontaneous bleeds, especially joints				
	Mild Moderate Severe				
	15%	15%	70%		
	6–30% VIII 1–5% VIII <1% VIII				
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THE FRITSMA FACTOR Your Interactive Hemostasis Resource	Factor VIII Assay Dilutions Parallelism Indicates No Inhibitor			
	Plasma Dilution	Seconds	Raw Factor VIII Activity	Computed Factor VIII Activity (x dilution)
	1:10 "undiluted"	90 s	20%	20%
	1:20	104 s	10%	20% (parallel)*
	1:40	107 s	5%	20% (parallel)
	1:80	110 s	2.5%	20% (parallel)
	* <10% difference from undiluted indicates parallelism, no inhibitor			
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THE FRITSMA FACTOR Your Interactive	Initial Laboratory Results			
Hemostasis Resource	Test	Result	RI	
	HGB	9.1 mg/dL	11.3–15.3 mg/dL	
	HCT	27%	33–45%	
	PLT	120,000/µL	150–450,000/µL	
	RBC	MOD	schistocytes	
	PT	15.8 s	12.3–14.2 s	
	PTT	39 s	25–34 s	
S. WOW	Fg	185 mg/dL	224–467 mg/dL	
St.	D-D	>20,000 ղg/mL	<240 ղg/mL	
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THE FRITSMA FACTOR Your Interactive Hemostasis Resource	35 Y • UFH 4 • Plasm • Switch – Mor	 35 YO Woman with DIC: HIT UFH 400 U/h Plasma to replace factors Switched to Novastan[®] (argatroban) Monitor with PTT results 1.5–2.5 × MRI 			
	Test	Result	RI		
	HCT	24%	33–45%		
	PLT	82,700/μL	150–450,000/µL		
	RBC SLT schistocytes				
	PT	17.6 s	12.3–14.2 s		
THERE A	PTT	43 s	25–35 s		
Soft C	Fg	96 mg/dL	224–467 mg/dL		
SEO D	D-D	>20,000 ղg/mL	<240 ղg/mL		
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THE FRITSMA FACTOR Your	69-YO with Atrial Fibrillation Bleeding in ED: What's he Got?			
Interactive Hemostasis		Result	RI	
Resource	PT	13.1 s	8.3–10.8 s	
	INR	1.3	0.9–1.2	
	PTT	47 s	25–35 s	
	PTT 1:1 Imm Mix	44 s	Control 29 s	
	TT	> 200 s	17–20 s	
	Reptilase time	20 s	16–22 s	
	PTT-LA	77 s	36–47 s	
	PTT-LA 1:1 Mix	69 s	Control 45 s	
SIDON	StaClot LA δ	7 s	>8 s	
BALL	DRVVT confirm ratio	1.3	<1.2	
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