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The author, editors, and publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accordance with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly

Methemoglobin (WB)	<1% of total Hb	
Osmotic fragility of RBCs	Increased if hemolysis occurs in >0.5% NaCl Decreased if incomplete in 0.30% NaCl	
Pyruvate kinase (RBCs)	13–17 IU/g Hb	
RBC survival time (⁵¹ Cr)	Half-life: 25–35 days	
Reticulocyte count (WB)	0.5–2.5% of RBCs	
Reticulocyte hemoglobin content, reticulocyte index, mean volume, parameter, hemoglobin, Immature reticulocyte fraction.	See Chapter 11	
Ringed sideroblasts	None	
Transferrin (S)	240–480 mg/dL	
Transferrin receptor (S)	0.57–2.8 µg/L	
Transferrin saturation	Males	Females
	14.2%–58.4%	15.2%–49.3%
TfR-F index (sTfR:log serum ferritin)	Males	Females
	0.45–1.88	0.46–13.29
Unsaturated vitamin B ₁₂ -binding capacity	870–1,800 pg/mL	
Vitamin B ₁₂ (S)	190–900 ng/L	
Volume (mL/kg body weight)	Males	Females
Blood	75	67
RBC	30	24
Plasma	44	43

RBCs, red blood cells; S, serum; WB, white blood.

Blood Coagulation Tests—Reference Values

Activated clotting time (WB)	70–180 sec
Activated protein C resistance (factor V Leiden) (P)	Ratio >2.1
Alpha ₂ -antiplasmin (P)	80%–130%
Antiphospholipid-antibody panel	
Partial thromboplastin time— lupus anticoagulant screen (P)	Negative
Dilute Russell viper venom time (dRVVT) (P)	Negative
Platelet-neutralization (P)	Negative
Anticardiolipin antibody IgG or IgM (S)	0–15 U
Antithrombin III (P)	
Immunologic	22–39 mg/dL

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Dilute Russell viper venom time (dRVVT) (P)	Negative	
Platelet-neutralization (P)	Negative	
Anticardiolipin antibody IgG or IgM (S)	0–16 U	
Antithrombin III (P)		
Immunologic	22–39 mg/dL	
Functional	80%–130%	
Anti-Xa assay (heparin) (P)		
Unfractionated	0.3–0.7 IU/mL	
Low-molecular-weight	0.5–1.0 IU/mL	
Danaparoid	0.5–0.8 IU/mL	
Bleeding time (Simplate)	2–9.5 minutes	
Clot retraction, qualitative (WB)	Begins in 1/2–1 hr; 50%–100% in 2 hr	
Cryofibrinogen (P)	Negative	
D-dimer (P)	<0.5 µ/mL	
Coagulation factor assay (P)	Activity	Plasma levels
I (fibrinogen)		150–400 mg/dL
II (prothrombin)	60%–140%*	100 µg/mL
V	60%–140%*†	10 µg/mL
VII	60%–140%*†	0.5 µg/mL
VIII (AHG)	50%–200%*	0.1 µg/mL
IX	60%–140%*†	5 µg/mL
X	60%–140%*†	10 µg/mL
XI	60%–140%*	5 µg/mL

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XII	60%–140%*	30 µg/mL
XIII screen	No deficiency detected	
Fibrin and fibrinogen degradation products (P)	<2.5 µ/mL	
Partial thromboplastin time, activated (aPTT) (P)	25–38 sec	
Plasminogen (P)		
Antigenic	8–14 mg/dL	
Functional	80%–130%	
Platelet aggregation	>65% aggregation in response to ADP, epinephrine, collagen, ristocetin, arachidonic acid	
Platelet count	150,000–350,000/µL	
Protein C, total antigen or functional (P)	70%–140%	
Protein S, total or free antigen or functional (P)	70%–140%	
Prothrombin-gene mutation G20210A	Absent	
Prothrombin time (P)	11–13 sec	
Reptilase time (P)	16–24 sec	
Thrombin time (P)	16–24 sec	
Ristocetin cofactor (functional vWF) (P)		
Blood Group O	75% mean of normal	
Blood Group A	105% mean of normal	
Blood Group B	115% mean of normal	
Blood Group AB	125% mean of normal	
von Willebrand factor (factor VIII:R) antigen (P)		
Blood Group O	75% mean of normal	
Blood Group A	105% mean of normal	
Blood Group B	115% mean of normal	
Blood Group AB	125% mean of normal	
von Willebrand factor multimers (P)	Normal distribution	
Coagulation time (Lee-White)	6–17 minutes (glass tubes)	
	19–60 minutes (siliconized tubes)	
Euglobulin lysis	No lysis in 2 hours	
Fibrinogen split products	Negative at >1:4 dilution	
	Positive at >1:8 dilution	
Fibrinolysins (WB)	No clot lysis in 24 hours	
Platelet antibodies (S)	Negative	