



Indiana University Health Pathology Laboratory

Thrombosis & Hemostasis Reference Ranges	
Activated Protein C (aPC) Resistance	>2.3
Activated Partial Thromboplastin Time (aPTT)	23.4 - 38.0 seconds
ATIII Antigen	77 - 117%
ATIII Functional	86 - 118%
Chromogenic Factor X	70 - 133%
Collagen Binding Assay	40 - 183%
D-Dimer	<292 ng/mL DDU
Dilute Russell Viper Venom Time (dRVVT)	24.3 - 42.6 seconds
Factor II	79 - 138%
Factor V	63-123%
Factor VII	74-147%
Factor VIII	61 - 155%
Factor IX	74 - 143%
Factor X	77 - 151%
Factor XI	77 - 162%
Factor XII	61 - 165%
Factor XIII	>24° Clot Survival
Factor Inhibitor (Bethesda) Assay	<1 BU
Fibrinogen	170 - 399 mg/dL
Heparin Associated Antibody	Negative
PFA Col/EPI	73 - 150 seconds
PFA Col/ADP	54 - 117 seconds
Platelet Inhibition (Aspirin) Therapeutic Range	<550 ARU
Platelet Inhibition (P2Y12) Therapeutic Range	<238 PRU
Protein C Antigen	70 - 137%
Protein C Functional	74-145%
Protein S (Total) Antigen	77 - 137%
Protein S (Free) Antigen	59 - 118%
Protein S Clottable	52 - 136%
Protime	9.3 - 13.5 seconds
Staclot LA	<8.0 seconds
Thrombin Clotting Time (TCT)	10.7 - 16.8 seconds
von Willebrand Factor (vWF) Antigen	44 - 167%
von Willebrand Factor (vWF) Activity Screen	43 - 195%
vWF Collagen Binding Assay	40 - 183%
Therapeutic ranges for plasma heparin levels:	
<i>Unfractionated (UNFH)</i>	0.3 - 0.7 IU/mL
<i>Low Molecular Weight (LMWH)</i>	0.5 - 1.0 IU/mL
UNFH Therapeutic range for aPTT	52 - 84 seconds
INR Therapeutic range	2.0 - 3.0
INR Therapeutic range for prosthetic heart valves	2.0 - 3.5
Chromogenic Factor X Therapeutic range	15 - 51%