

Individual Assay List

INDIVIDUAL TESTS

TEST CODE	TEST NAME	TAT ^	SPECIMEN	TEST CODE	TEST NAME	TAT ^	SPECIMEN
5705-9	Activated Protein C Resistance, Modified (APCR, M)	4 Days	FP	5738-0	Factor XII (12) Clotting Activity	4 Days	FP
5704-2	Activated Protein C Resistance, Standard (APCR, S)	4 Days	FP	5739-8	Factor XIII (13) Activity	5 Days	FP
5709-1	Alpha2 Antiplasmin	5 Days	FP	5761-2	Heparin Level (Anti-Xa)	4 Days	FP
5706-7	Anti-Annexin V (5) Antibodies (IgG, IgM)	5 Days	FS	5746-3	Heparin Platelet Antibody (HIT) by ELISA	1 Day	FS
5710-9	Anti-Beta2 Glycoprotein 1 (IgG, IgM, IgA)	2 Days	FS	5749-7	Hexagonal Phase Assay STACLOT LA	3 Days	FP
5722-4	Anti-Phosphatidyl Ethanolamine Antibodies (IgG, IgM)	8 Days	FS	5757-0	Inhibitor Titer (Quantitative Bethesda Unit)	3 Days	FP
5790-1	Anti-Phosphatidylserine Antibodies (IgG, IgM)	5 Days	FS	5830-5	Mixing Study – aPTT	3 Days	FP
5820-6	Anti-Prothrombin Antibodies (IgG, IgM)	5 Days	FS	5840-4	Mixing Study – PT	3 Days	FP
5714-1	Antithrombin Activity (ATIII Activity) – Thrombin Based	4 Days	FP	5771-1	Partial Thromboplastin Time (aPTT) Lupus Sensitive	3 Days	FP
5723-2	Antithrombin Activity (ATIII Activity) – Anti-Xa Based	5 Days	FP	5775-2	Plasminogen Activity (Chromogenic)	3 Days	FP
5715-8	Antithrombin Antigen	4 Days	FP	5776-0	Platelet Antibody Identification	15 Days	FS
0053-9	CBC with Differential & Platelet Count	1 Day	WB-LAV	5784-4	Platelet Neutralizing Procedure (PNP)	4 Days	FP
5744-8	Collagen Binding Assay (vWF CBA)	7 Days	FP	5786-9	Protein C Antigen	5 Days	FP
3320-9	C-Reactive Protein-HS	2 Days	FS	5785-1	Protein C Chromogenic Activity	4 Days	FP
5743-0	D-Dimer, Quantitative	2 Days	FP	5787-7	Protein S Activity – Clotting	4 Days	FP
5730-7	dRVVT - Complete	3 Days	FP	5788-5	Protein S Antigen – Free	5 Days	FP
5724-0	Factor II (2) Clotting Activity (Prothrombin Level)	4 Days	FP	5789-3	Protein S Antigen – Total	5 Days	FP
5725-7	Factor V (5) Clotting Activity	4 Days	FP	5797-6	Prothrombin Fragment 1.2 (F1.2)	10 Days	FP
5728-1	Factor VII (7) Clotting Activity	4 Days	FP	5798-4	Prothrombin Time (PT)	4 Days	FP
5729-9	Factor VIII (8) Clotting Activity	4 Days	FP	5799-2	Reptilase Time	4 Days	FP
5769-5	Factor IX (9) Clotting Activity	4 Days	FP	5805-7	Ristocetin Cofactor, vWF Activity (vWF:RCoF)	5 Days	FP
5736-4	Factor X (10) Antigen	5-7 Days	FP	5807-3	Thrombin Time (TT)	4 Days	FP
5707-5	Factor X (10) Chromogenic	6 Days	FP	5808-1	Thrombin/Antithrombin Complex (TAT)	10 Days	FP
5735-6	Factor X (10) Clotting Activity	4 Days	FP	5815-6	von Willebrand's Factor Antigen (vWF:Ag)	9 Days	FP
5737-2	Factor XI (11) Clotting Activity	4 Days	FP				

INHERITED DNA MUTATION TESTS¹ (Lavender Top Tubes – Room Temperature)

TEST CODE	TEST NAME	TAT ^	SPECIMEN	TEST CODE	TEST NAME	TAT ^	SPECIMEN
5726-5	Factor V (5) Leiden Mutation (FVL)	5 Days	WB-LAV	5795-0	Prothrombin (G20210A) Mutation	5 Days	WB-LAV
A269-3	PAI 4G/5G Polymorphism	6 Days	WB-LAV	6261-2	Warfarin Pharmacogenetics	3 Days	WB-LAV

Specimen Key

- FP = Aliquoted Frozen Plasma (Blue top tube)
- FS = Aliquoted Frozen Serum (SST/Red top tube)
- SST = Serum Separation Tube
- WB-LAV = Whole Blood, Lavender top tube, Room Temperature

[†]Tests for inherited genetic disorders or predispositions require a separate consent form signed by the patient before results may be released. Patient Consent for Inherited DNA Mutation tests is required in Alaska, Arizona, Florida, Georgia, Massachusetts, Michigan, Nebraska, New Mexico, New York, South Carolina, South Dakota, and Vermont.

[^]Reporting times are typical and begin once the specimen(s) are received at the laboratory, but could be extended in situations outside GenPath's reasonable control.

Healthcare providers should only order panels if each test in the panel is medically necessary.

BLEEDING

5851-1

Abnormal aPTT Assessment
TAT[^]: 7 Days
4 blue (5 aliquots)

PT
aPTT
aPTT mixing study
Factor VIII (8) Clotting Activity
Factor IX (9) Clotting activity
Factor XI (11) Clotting Activity
aPTT Lupus Sensitive
dRVVT – Complete
Hexagonal Phase Assay

5853-7

Abnormal PT & aPTT Assessment
TAT[^]: 7 Days
5 blue (6 aliquots)

PT
aPTT
aPTT and PT Mixing Study
Factor V (5) Clotting Activity
Factor X (10) Clotting Activity
D-Dimer – Quantitative
Factor II (2) Clotting Activity
Factor VII (7) Clotting Activity
Fibrinogen Clottable Activity
Thrombin Time (TT)

5997-2

Bleeding Diathesis Evaluation
TAT[^]: 16 Days
1 lav, 3 blue (4 aliquots)

CBC – Diff & platelets
PT
aPTT
Factor VIII (8) Clotting Activity
Factor IX (9) Clotting Activity
Factor XI (11) Clotting activity
aPTT Lupus Sensitive
dRVVT – Complete
Hexagonal Phase Assay

5825-5

Von Willebrand Screen – Basic
TAT[^]: 9 Days
2 blue (4 aliquots)

PT
aPTT
Factor VIII (8) Clotting Activity
Ristocetin Cofactor, vWFActivity (vWF:RCoF)
von Willebrand Factor Antigen (vWF:Ag)

5826-3

Von Willebrand Screen – Expanded
TAT[^]: 9 Days
4 blue (5 aliquots)

PT
aPTT
Factor VIII (8) Clotting Activity (FVIII:C) (If low Factor VIII Clotting Activity, add von Willebrand Normandy Assay)
Ristocetin Cofactor, vWFActivity (vWF:RCoF)
von Willebrand Factor Antigen (vWF:Ag)
vWF Multimer Analysis
Collagen Binding Assay (CBA)

THROMBOPHILIA

5994-9

Antiphospholipid Antibody and Lupus Inhibitor Assessment – Basic
TAT[^]: 7 Days
1 lav, 2 red (4 aliquots), 4 blue (6 aliquots), 1 SST
1 lav, 2 red (5 aliquots), 3 blue (4 aliquots)

CBC – Diff & Platelets
PT
aPTT
Anti-Beta2 Glycoprotein I Abs (IgG, IgM, IgA)
Anti-Cardiolipin Abs (IgG, IgM, IgA)
Mixing Studies – PT or aPTT [If Prottime prolonged, add Factor II (2) clotting activity]
dRVVT – Complete
Hexagonal Phase Assay
aPTT Lupus Sensitive
Platelet Neutralizing Procedure

5990-7

Antiphospholipid Antibody and Lupus Inhibitor Assessment – Expanded
TAT[^]: 7 Days
1 lav, 2 red (5 aliquots), 3 blue (4 aliquots)

CBC – Diff & Platelets
aPTT
PT
Anti-Beta2 Glycoprotein I Abs (IgG, IgM, IgA)
Anti-Cardiolipin Abs (IgG, IgM, IgA)
Anti-Phosphatidyl Ethanolamine Abs (IgG, IgM)
Anti-Prothrombin Abs (IgG,IgM)
Anti-Annexin V (5) Abs (IgG, IgM)
Anti-Phosphatidylserine Abs (IgG, IgM)
Mixing Studies – PT or aPTT [If Prottime prolonged, add Factor II (2) clotting activity]
dRVVT – Complete
Hexagonal Phase Assay
aPTT Lupus Sensitive
Platelet Neutralizing Procedure

5874-3

Atherosclerotic Risk
TAT: 4 Days
2 red (4 aliquots), 2 blue (2 aliquots)

Lipid profile
Homocysteine
hs C-reactive protein
Lipoprotein a, Lp(a)
Fibrinogen Clottable Activity
PT; Thrombin Time (TT)
aPTT
Factor VIII (8) Clotting Activity

Assay Panel List

6802-3

Arterial and Atherothrombotic Risk – Expanded
TAT[^]: 5 Days
1 lav, 2 red (4 aliquots), 4 blue (6 aliquots), 1 SST

Lipid profile
Homocysteine
hs C-reactive protein
Lipoprotein a, Lp(a)
Oxidized LDL
Factor XII (12) Clotting Activity
Fibrinogen Clottable Activity
Factor VIII (8) clotting activity
Thrombin Time (TT)
Anti-Beta2 Glycoprotein I Abs (IgG, 1gM, IgA)
Anti-Cardiolipin Abs (IgG, IgM, IgA)
PT
aPTT
aPTT Lupus Sensitive
Mixing Study for Abnormal aPTT
dRVVT – Complete
Hexagonal Phase Assay
D-Dimer – Quantitative
Factor V (5) Leiden Mutation[†]
Prothrombin (G20210A) Gene Mutation[†]

6800-7

General Thrombophilia Assessment for Inherited & Acquired Disorders
TAT[^]: 7-10 Days
1 lav, 1 red (3 aliquots), 6 blue (6 aliquots)

Activated Protein C Resistance, Standard (APCR,S)
Activated Protein C Resistance, Modified (APCR,M)
Anti-Beta2 Glycoprotein I Abs (IgG, IgM, IgA)
Anti-Cardiolipin Abs (IgG, IgM, IgA)
Anti-Annexin V (5) Abs (IgG, IgM)
Anti-Phosphatidylserine Abs (IgG, IgM)
Mixing Studies – PT or aPTT [If Prottime prolonged, add Factor II (2) clotting activity]
dRVVT – Complete
Hexagonal Phase Assay
aPTT Lupus Sensitive
CBC – Diff & Platelets
D-Dimer Quantitative
dRVVT – Complete
Factor IX (9) Clotting Activity
Factor XI (11) Clotting Activity
Factor VIII (8) Clotting Activity
Factor XII (12) Clotting Activity
Fibrinogen Clottable Activity
Hexagonal Phase Assay
Homocysteine Level
Protein C Activity
Protein S Activity
Protein S Antigen Free
Plasminogen Activity
PT
Thrombin Time (TT)
aPTT
Factor V (5) Leiden Mutation[†]
Prothrombin (G20210A) Gene Mutation[†]

5989-9

Venous Prothrombotic Risk Factor
TAT[^]: 4 Days
4 blue (6 aliquots)

PT
aPTT
D-Dimer – Quantitative
Factor VIII (8) Clotting Activity
Factor IX (9) Clotting Activity
Factor XI (11) Clotting Activity
Fibrinogen Clottable Activity

If patient on warfarin, also add the following: Factor X (10) Antigen; Protein C Antigen; Total Protein S Antigen. And do not perform Protein C Activity; Protein S Activity; Free Protein S Antigen.

5992-3

DIC Assessment
TAT[^]: 8 Days
1 lav, 3 blue (4 aliquots)

CBC with Diff. & Platelets
PT
aPTT
Fibrinogen Clottable Activity
D-Dimer, Quantitative
Prothrombin Fragment 1.2 (F1.2)
Smear Review (for morphology)
Thrombin/Anti-Thrombin Complex (TAT)
Thrombin Time (TT)

5860-2

Fibrinolytic Evaluation – Standard
TAT[^]: 4 Days
3 blue (4 aliquots)

PT
aPTT
D-Dimer
Quantitative
Thrombin Time
Plasminogen Activity (Chromogenic)
Fibrinogen Clottable Activity
Optional Tests: Alpha2-Antiplasmin, PAI-1

5993-1

Hyperactive Coagulation Panel
TAT[^]: 10 Days
3 blue (5 aliquots)

D-Dimer – Quantitative
Prothrombin Fragment 1.2 (F1.2)
Thrombin/Antithrombin Complex (TAT)

6801-5

Pregnancy Thrombophilia Assessment
TAT[^]: 5 Days
1 lav whole blood, 1 red (3 aliquots of serum frozen, min 1 mL each), 4 blue (6 aliquots of plasma frozen, min 1 mL each)

Anti-Beta2 Glycoprotein I Abs (IgG, IgM, IgA)
Anti-Cardiolipin Abs (IgG, IgM, IgA)
aPTT Lupus Sensitive
CBC – Diff & Platelets
dRVVT – Complete
Hexagonal Phase Assay
Homocysteine Level
Protein S Activity
Protein S Antigen Free
Protein S Antigen Total
PT
aPTT
Factor V Leiden Mutation[†]
Prothrombin (G20210A) Gene Mutation[†]

5989-9

Venous Prothrombotic Risk Factor
TAT[^]: 4 Days
4 blue (6 aliquots)

PT
aPTT
D-Dimer – Quantitative
Factor VIII (8) Clotting Activity
Factor IX (9) Clotting Activity
Factor XI (11) Clotting Activity
Fibrinogen Clottable Activity

INHIBITOR ANALYSIS

5818-0

Specific Factor Inhibitor
TAT[^]: 7 Days
3 blue (5 aliquots)

PT
aPTT
aPTT Lupus Sensitive
Mixing Study for Abnormal PT and aPTT
Factor VIII (8) Clotting Activity
Inhibitor Titer Factor VIII (8) Bethesda Unit [If Factor VIII (8) is normal, reflex to Factor IX (9) and Factor XI(11)]. If PT is prolonged, add Factor V (5) and Thrombin Time]

5817-2

Lupus Anticoagulant Screen
TAT[^]: 7 Days
3 blue (5 aliquots)

PT
aPTT
aPTT Lupus Sensitive
Mixing Study for Abnormal aPTT
dRVVT – Complete
Hexagonal Phase Assay
Platelet Neutralizing Procedure

OTHERS

0009-1

Lipid Screen (Basic Lipid Profile)
TAT[^]: 1 Day
1 SST

Cholesterol
HDL – Cholesterol
Triglycerides
Non-HDL Cholesterol

3.2% Citrate Tubes: Plasma sample

Spin citrate plasma tube at 1500-2100G or at 4500 rpm in the BioReference-provided Special Coagulation centrifuge for 15 minutes. *Remove top from Citrate blood tube and pipette plasma into Aliquot Blue Cap (FP) tube. Do not put the pipette into the area between the cells and the plasma. Stay in the plasma zone. Each aliquot tube (FP) should hold 2ml of plasma (2 citrate blood tubes). Label the aliquot blue cap tube with "FP" for **Frozen Plasma** and patient's full name and another unique patient identifier.

Red Top Tubes (NO Gel): Serum Sample

Allow sample to sit for 20 minutes before spinning, then spin red top tube at 4500 rpm for 15 minutes

*Remove top from blood tube and pipette serum into Aliquot Red Cap (FS) Tube. Do not put the pipette into the area between the cells and the serum. Stay in the serum zone. Each aliquot tube (FS) should hold 2ml of serum (2 red top blood tubes).

Label the aliquot red cap tube with "FS" for **Frozen Serum** and patient's full name and another unique patient identifier. **Do Not Use Serum Separator Tubes (SST).**

Lavender

Do not centrifuge or freeze these tubes. They should be shipped at room temperature.

*Proper PPE is required to prevent exposure.