MAYO CLINIC
Mayo Medical Laboratories

CPT CODE AMENDMENT
NOTIFICATION DATE: January 6, 2011
EFFECTIVE DATE: January 26, 2011

Thrombophilia Profile
#83093

EXPLANATION: The previous new test announcement sent on December 23, 2010 did not provide all possible CPT codes for reflex testing.

USEFUL FOR: Evaluating patients with thrombosis/hypercoagulability states. Detecting a lupus-like anticoagulant; dysfibrinogenemia; DIC/ICF; deficiency of antithrombin, protein C, or protein S, activated protein C resistance (and the factor V R506Q [Leiden]mutation if indicated); and the prothrombin G20210A mutation.

NOTE: This test will replace #550 Coagulation Consultation, Thrombosis/Hypercoagulability, Blood and Plasma which will become obsolete on January 26, 2011.

Profile Information:

Unit Code	Reporting Name	Available Separately	Always Performed
6599	Prothrombin Time (PT), P	Yes (order #9236)	Yes
6548	Activated Partial Thrombopl Time, B	Yes (order #9058)	Yes
80340	Dilute Russells Viper Venom Time, P	No	Yes
9059	Thrombin Time (Bovine), P	Yes	Yes
80343	Fibrinogen, P	Yes (order #8484)	Yes
6625	D-Dimer, P	Yes (order #9290)	Yes
6600	Soluble Fibrin Monomer	No	Yes
9030	Antithrombin Activity, P	Yes	Yes
9339	Protein C Activity, P	Yes	Yes
80338	Protein S Ag, Free, P	Yes (order #83049)	Yes
81742	Prothrombin G20210A Mutation, B	Yes	Yes
82539	Special Coagulation Interpretation	No	Yes
81967	Activated Protein Resistance V, P	Yes	Yes

Reflex Tests:

Unit Code	Reporting Name	Available Separately	Always Performed
9053	PT Mix 1:1	No	No
9118	APTT Mix 1:1	No	No
8866	Platelet Neutralization Procedure	No	No
21557	DRVVT Mix and Confirmation	No	No
9078	Reptilase Time, P	Yes	No
80775	Protein S Activity, P	Yes	No
80994	Protein S Ag, Total, P	No	No
9127	Protein C Ag, P	Yes	No
9031	Antithrombin Antigen, P	Yes	No
81419	Factor V Leiden (R506Q) Mutation, B	Yes	No
9121	Coag Factor II Assay, P	Yes	No
9054	Coag Factor V Assay, P	Yes	No

9055	Coag Factor VII Assay, P	Yes	No
9070	Coag Factor VIII Activity Assay, P	Yes	No
9065	Coag Factor IX Assay, P	Yes	No
9066	Coag Factor X Assay, P	Yes	No
9067	Coag Factor XI Assay, P	Yes	No
9069	Coag Factor XII Assay, P	Yes	No
82756	Staclot LA, P	No	No
9079	Plasminogen Activity, P	Yes	No
7289	Factor VIII Inhibitor Screen, P	No	No
7288	Bethesda titer	No	No

METHOD: 6599, 9053, 6548, 9118, 80340, 21557, 9059, 9078, 82756, 81967: Clot-Based Assay
8866: Activated Partial Thromboplastin Time (APTT) Mixing Test
6625, 9031, 80338: Automated Latex Immunoassay (LIA)
6600: Slide agglutination
80343: Clauss Methodology
9030, 9339: Chromogenic Assay
9079: Amidolysis of Chromogenic Substrate
9127: Enzyme-Linked Immunosorbent Assay (ELISA)
80994: Latex Immunoassay (LIA)
13037, 81742: Direct Mutation Analysis
9121, 9054, 9055, 9066: Prothrombin Clot-Based Assay
9070, 9065, 9067, 9069, 7289, 7288: Activated Partial Thromboplastin Clot-Based Assay

REFERENCE VALUES: An interpretive report will be provided.

SPECIMEN REQUIREMENTS: Draw blood in a light blue-top (citrate) tube(s). Spin down, remove plasma, spin plasma again, and place 6 mL of platelet- poor plasma into 6 plastic, screw-capped vials each containing 1 mL. (Glass vial is not acceptable.) Freeze specimens immediately at < /=-40 degrees C, if possible.

CAUTIONS: To obtain the most useful information, this testing is best performed in medically stable patients who are not receiving oral vitamin K inhibitor (e.g., warfarin, Coumadin), heparin, low-molecular-weight heparin, hirudin (Refludan), argatroban, fibrinolytic agents (e.g., streptokinase, tissue plasminogen activator), or platelet GPIIbIIIa(IIb 3) inhibitors (abciximab [ReoPro], tirofiban, Aggrastat). However, useful information can be obtained in patients receiving anticoagulation therapy.

LIST FEE: $2,164.50
The following test(s) may be added per the testing algorithm:
$77.40 for #9053 “PT Mix 1:1”
$77.40 for #9118 “APTT Mix 1:1”
$91.90 for #8866 “Platelet Neutralization Procedure”
$152.50 for #21557 “DRVVT Mix and Confirmation”
$53.90 for #9078 “Reptilase time”
$243.00 for #80775 “Protein S Activity”
$120.10 for #80994 “Protein S Ag”
$259.70 for #9127 “Protein C Ag”

$206.10 for #9031 “Antithrombin Ag”
$425.40 for #81419 “Factor V Leiden (R506Q) mutation”
$237.60 for #9121 “Coag Factor II”
$237.60 for #9054 “Coag Factor V”
$237.60 for #9055 “Coag Factor VII”
$237.60 for #9070 “Coag Factor VIII Activity”
$237.60 for #9065 “Coag Factor IX”
$237.60 for #9066 “Coag Factor X”
$237.60 for #9067 “Coag Factor XI”
$237.60 for #9069 “Coag Factor XII”
$225.50 for #82756 “Staclot LA”
$191.30 for #9079 “Plasminogen Activity”
$123.70 for #7288 “Bethesda titer”
$258.50 for #7289 “Coag Factor VIII Inhibitor screen”

CPT CODES:
80500-Clinical pathology consultation
83891-Isolation or extraction of highly purified nucleic acid
83892-Enzymatic digestion
83896 x 5-Nucleic acid probe, each
83903-Mutation scanning, by physical properties, single segment, each
83908 x 2-Amplification, signal, each nucleic acid sequence
83912-Interpretation and report
85300-AT activity
85303-Protein C activity
85306-Protein S antigen, free
85307-Activated protein C resistance V
85379-D-dimer
85366-Soluble Fibrin Monomer
85384-Fibrinogen
85610-PT
85613-DRVVT
85670-Thrombin time
85730-APTT
85210-Factor II (if appropriate)
85220-Factor V (if appropriate)
85230-Factor VII (if appropriate)
85240-Factor VIII (if appropriate)
85250-Factor IX (if appropriate)
85260-Factor X (if appropriate)
85270-Factor XI (if appropriate)
85280-Factor XII (if appropriate)
85301-AT antigen (if appropriate)
85302-Protein C antigen (if appropriate)
85305-Protein S antigen, total (if appropriate)
85335-Bethesda Units (if appropriate)
85335-Factor VIII inhibitor screen (if appropriate)

85420-Plasminogen activity (if appropriate)
85597-Platelet neutralization for lupus inhibitor (if appropriate)
85597-Staclot LA (if appropriate)
85611-PT mix 1:1 (if appropriate)
85635-Reptilase time (if appropriate)
85732-APTT mix 1:1 (if appropriate)
85613-DRVVT Mix/Confirm (if appropriate)
83891-Isolation or extraction of highly purified nucleic acid (if appropriate)
83892-Enzymatic digestion (if appropriate)
83896 x 5-Nucleic acid probe, each (if appropriate)
83903-Mutation scanning, by physical properties, single segment, each (if appropriate)
83908 x 2-Amplification, signal, each nucleic acid sequence (if appropriate)
83912-Interpretation and report (if appropriate)

ANALYTIC TIME: Varies

DAY(S) SET-UP: Monday through Friday

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager
Kim J. Baker, Mayo Medical Laboratories' Technologist Support
Telephone: 800-533-1710