



COLORADO COAGULATION

September 12, 2008

Esoterix Service Announcement: Coagulation Profile Changes

In order to provide our clients with up-to-date coagulation profiles, we periodically modify components of our coagulation profiles as part of our ongoing commitment to help you provide the best medical care for your patients. Esoterix coagulation profiles are being updated to reflect recent scientific literature and current practice guidelines.

A comprehensive list of profile changes, including the basis for each change and updated CPT codes, is included with this letter and has been posted in the test menu section of our Web site, www.esoterix.com. Changes in CPT codes may result in increased reimbursement from some payors, including Medicare. These changes go into effect on October 5, 2008. All components of these profiles may be ordered individually; refer to the attached comprehensive list of profiles for individual test numbers.

For additional information, please call Esoterix Client Services at 800-444-9111. We appreciate your continued business and look forward to serving you and your patients.

Coagulation Test Update - Profile Changes Effective October 5, 2008

Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300908	Abnormal APTT/Prothrombin Time Reflexive Profile		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma	Additional CPT codes based on assays performed	
	300040	Activated Partial Thromboplastin Time	23.7-37.7 sec	85730	Report will now include an interpretation of the lupus anticoagulant testing when performed. Total NLA before change \$21.94 Total NLA with changes \$21.94
	300080	Prothrombin Time/INR	PT = 10.0-13.0 sec INR = 0.80-1.20	85610	
	300807	Thrombin Time	8.0 - 14.0 seconds	85670	
300918	Antiphospholipid Syndrome Comprehensive Profile		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum		
	300040	Activated Partial Thromboplastin Time	23.7-37.7 seconds	85730	Report will now include an interpretation of the lupus anticoagulant testing when performed. Immediate mixing studies will only be performed if APTT is elevated. CPT code change for Hexagonal Phospholipid Neutralization. Total NLA before change \$330.11 Total NLA with changes \$314.03 plus additional \$18.08 if reflex is performed.
	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300805	Platelet Neutralization Procedure	0.0-3.0 sec	85597	
	300034	Anticardiolipin IgG, IgM, IgA	< 23GPL, < 11MPL, < 22APL	86147 X 3	
	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
	300153	Antiphosphatidylserine, IgG, IgM	< 16 GPS, < 22 MPS	86148 X 2	
	300230	Antiprothrombin IgG, IgM	< 21 G Units, < 21 M Units	0030T X 2	
300909	Bleeding Diathesis with Normal APTT/PT Profile		Draw 4 - 2.7 mL or 2 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 4 tubes - 1 mL each frozen citrated plasma		
	300103	Factor VIII Activity	50-150%	85240	Fibrinogen activity has been added to this profile. A low fibrinogen may not cause elevation of the APTT or PT but may still increase a patient's risk for bleeding. (Hathaway & Goodnight; Disorders of Thrombosis and Hemostasis, A Clinical Guide. 2nd Ed; 2001. McGraw-Hill) Total NLA before change \$210.12 Total NLA with changes \$221.99
	300104	Factor IX Activity	60-150%	85250	
	300106	Factor XI Activity	60 - 150%	85270	
	300108	Factor XIII Activity (Research Use Only)	60-150%	85290	
Added	300200	Fibrinogen activity	160 - 420 mg/dL	85384	
	300114	von Willebrand Factor Activity, (Ristocetin Cofactor)	50-150%	85245	
	300113	von Willebrand Factor Antigen, (Factor VIII Related Antigen)	50-150%	85246	
	300126	Plasminogen Activator Inhibitor-1 (PAI-I) Activity	< 31.1 IU/mL	85415	
	300039	alpha-2 Antiplasmin Assay	80-150 %	85410	
	300403	Euglobulin Lysis Time	180- 700 minutes	85360	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300917	Heart Disease and Stroke Risk Profile		Draw 3 - 2.7 mL or 2 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 1 mL each frozen citrated plasma plus 9 mL preserved urine (see special collection)		
	300200	Fibrinogen Activity	160-420 mg/dL	85384	AspirinWorks [®] and FVIII Activity testing have been added. Recent literature suggests that aspirin resistance as evaluated by Aspirin Works as well as persistently elevated FVIII levels may increase risk for arterial disease and its related complications. (Circulation 2007; 114:3156, Arch Int Med 2007; 167:1593, ATVB 2001; 212:731) Total NLA before change \$103.68 Total NLA with changes \$154.02
	300312	C-Reactive Protein, High Sensitivity	see test comment	86141	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300715	Lipoprotein (a)	< 31 mg/dL	83695	
Added	300353	AspirinWorks [®]	see test comment on patient report	83520, 82570	
Added	300103	Factor VIII activity	50 - 150%	85240	
	300113	von Willebrand Factor Antigen (Factor VIII related Antigen)	50-150%	85246	
300906	Lupus Anticoagulant and Anticardiolipin Antibody Profile		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/aliquot into 1 tube - 1 mL frozen serum		
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	Report will now include an interpretation of the lupus anticoagulant testing. Anti-B2GP1 IgG/A/M has been added to this profile.
	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300080	Prothrombin Time/INR	PT = 10.0-13.0 sec INR = 0.80-1.20	85610	Immediate mixing studies performed only if APTT is elevated.
	300807	Thrombin Time	8.0 - 14.0 seconds	85670	CPT code change for Hexagonal Phospholipid Neutralization.
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP1 IgG or IgM positivity. Total NLA before change \$136.81 Total NLA with changes \$227.35 plus additional \$18.08 if reflex is performed.
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300165	Anticardiolipin IgG, IgM	< 23GPL, <11MPL	86147 X 2	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
300916	Lupus Anticoagulant and Anticardiolipin Antibody Confirmatory Profile		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/aliquot into 1 tube - 1 mL frozen serum		
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	Report will now include an interpretation of the lupus anticoagulant testing. Anti-B2GP1 IgG/A/M has been added to this profile.
	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300080	Prothrombin Time/INR	PT = 10.0-13.0 sec INR = 0.80-1.20	85610	Immediate mixing studies performed only if APTT is elevated.
	300807	Thrombin Time	8.0 - 14.0 seconds	85670	The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP1 IgG or IgM positivity. CPT code change for Hexagonal Phospholipid Neutralization. Total NLA before change \$161.93 Total NLA with changes \$252.47 plus additional \$18.08 if reflex is performed.
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300805	Platelet Neutralization Procedure	0.0-3.0 sec	85597	
	300165	Anticardiolipin IgG, IgM	< 23GPL, < 11MPL	86147 X 2	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300934		Menorrhagia Profile	Draw 4 - 2.7 mL or 2 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 2 tubes - 2 mL each frozen citrated plasma		
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	Thrombin time has been added to this profile in order to screen for abnormalities of fibrinogen that may be associated with an increased bleeding tendency. Total NLA before change \$128.03 Total NLA with changes \$136.10
	300080	Prothrombin Time/INR	PT = 10.0-13.0 sec INR = 0.80-1.20	85610	
Added	300807	Thrombin Time	8.0 - 14.0 seconds	85670	
	300103	Factor VIII Activity	50-150%	85240	
	300106	Factor XI Activity	60 - 150%	85270	
	300114	von Willebrand Factor Activity, Ristocetin Cofactor	50-150%	85245	
	300113	von Willebrand Factor Antigen, Factor VIII Related Antigen	50-150%	85246	
300928		Protein S Profile	Draw 3 - 2.7 mL or 2 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 1 mL each frozen citrated plasma		
	300038	Protein S Antigen, Total	60-150%	85305	C4b Binding Protein has been deleted from the profile. Recent literature refutes the previously reported notion that the levels of C4bBP alter the levels of functional protein S. (Arch of Pathol. 2002; 126:1349) Total NLA before change \$77.11 Total NLA with changes \$59.02
	300087	Protein S Antigen, Free	62-146%	85306	
	300088	Protein S Activity (clot)	63-140%	85306	
300915		Recurrent Miscarriage/Fetal Demise Obstetric Complications Profile	Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G - G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	Report will now include an interpretation of the lupus anticoagulant testing. APTT mixing studies, FXIII Activity and PAI-1 Activity assays have been added to the profile. APTT mixing studies will be included to better evaluate for the presence of a lupus anticoagulant. Immediate mixing studies performed only if APTT is elevated. Severe and possibly heterozygous Factor XIII deficiency is associated with recurrent spontaneous abortions. (J Thromb Haemost 2007; 5 Supp2 P-W-031). Elevated PAI-1 activity may be a risk factor for early recurrent miscarriage. (J Thromb Haemost. 1997; 77:1096) * DNA extraction CPT code 83891 is applied once for the profile. CPT code change for Hexagonal Phospholipid Neutralization. Total NLA before change \$489.70 Total NLA with changes \$520.47 plus additional \$18.08 if reflex is performed.
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	
Added	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
Added	300108	FXIII Activity (Research Use Only)	60-150%	85290	
	300030	Antithrombin Activity, Plasma	77-123%	85300	
	300035	Protein C Activity (chromogenic)	55-140%	85303	
	300087	Protein S Antigen, Free	62-146%	85306	
Added	300126	Plasminogen Activator Inhibitor-1 (PAI-1) Activity	<31.1 IU/mL	85415	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300034	Anticardiolipin IgG, IgM, IgA	< 23GPL, < 11MPL, < 22APL	86147 X 3	
	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
	300153	Antiphosphatidylserine, IgG, IgM	< 16 GPS, < 22 MPS	86148 X 2	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300940	Reproductive Health Thrombophilia Profile, Screening		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G - G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	Report will now include an interpretation of the lupus anticoagulant testing.
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	APTT mixing studies and anti-B2GP1 IgG/A/M have been added to this profile. Anticardiolipin IgA has been deleted from this profile
Added	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300108	Factor XIII Activity (Research Use Only)	60-150%	85290	APTT mixing studies have been added to better screen for the presence of a lupus anticoagulant. Immediate APTT mixing studies will only be performed if APTT is elevated.
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300030	Antithrombin Activity, Plasma	77 - 123%	85300	The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP 1 IgG or IgM positivity. ACA IgA is not included as a diagnostic criterion.
	300035	Protein C Activity (chromogenic)	55-140%	85303	
	300087	Protein S Antigen, Free	62-146%	85306	CPT code change for Hexagonal Phospholipid Neutralization. * DNA extraction CPT 83891 used once in profile.
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300165	Anticardiolipin IgG, IgM	< 23GPL, < 11MPL	86147 X 2	Total NLA before change \$347.66 Total NLA with changes \$402.66 plus additional \$18.08 if reflex is performed.
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
300941	Reproductive Health Thrombophilia Profile, Comprehensive		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 - 2 mL tubes each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G - G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	Report will now include an interpretation of the lupus anticoagulant testing.
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	APTT mixing studies, anti B2GP1 IgG/A/M, and Lipoprotein (a) have been added to the profile. MTHFR C677T and anticardiolipin IgA have been deleted from this profile.
Added	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	APTT mixing studies have been added to better screen for the presence of a lupus anticoagulant. Immediate APTT mixing studies will only be performed if APTT is elevated.
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300030	Antithrombin Activity, Plasma	77 - 123%	85300	The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP 1 IgG or IgM positivity but not ACA IgA. MTHFR C677T has been deleted in favor of serum homocysteine. Lipoprotein (a) has been added as elevations of lipoprotein (a) are independently associated with unexplained recurrent miscarriage. (J Thromb Haemost 2005; 93:867.)
	300035	Protein C Activity (chromogenic)	55-140%	85303	
	300087	Protein S Antigen, Free	62-146%	85306	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300941	Reproductive Health Thrombophilia Profile, Comprehensive (con't)				
	300108	Factor XIII Activity (Research Use Only)	60-150%	85290	<p style="color: red;">CPT code change for Hexagonal Phospholipid Neutralization.</p> <p>* DNA extraction CPT 83891 used once in profile.</p> <p style="color: blue;">Total NLA before change \$507.99 Total NLA with changes \$535.26 plus additional \$18.08 if reflex is performed.</p>
	300126	Plasminogen Activator Inhibitor-1 (PAI-1) Activity	<31.1 IU/mL	85415	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
Added	300715	Lipoprotein (a)	<31 mg/dL	83695	
	300165	Anticardiolipin IgG, IgM	< 23GPL, < 11MPL	86147 X 2	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
	300153	Antiphosphatidylserine, IgG, IgM	< 16 GPS, < 22MPS	86148 X 2	
	300230	Anti-Prothrombin IgG, IgM	< 21 G units, < 21 M units	0030T X 2	
	300233	Anti-Annexin V, IgG and IgM (Research Use Only)	IgG < 10 AU, IgM < 18 AU	83516 X 2	
300931	ThrombAssure™ Enhanced		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 - 2 mL tubes each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube -1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G - G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	<p>Report will now include an interpretation of the lupus anticoagulant testing.</p> <p>APTT, APTT mixing studies, and anti-B2GP1 IgG/A/M have been added to this profile.</p> <p>APTT and APTT mixing studies have been added to better screen for the presence of a lupus anticoagulant. Immediate APTT mixing studies will only be performed if APTT is elevated. The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP1 IgG or IgM positivity.</p> <p style="color: red;">CPT code change for Hexagonal Phospholipid Neutralization.</p> <p>* DNA extraction CPT code 83891 is applied once for the profile.</p> <p style="color: blue;">Total NLA before change \$329.82 Total NLA with changes \$428.74 plus additional \$18.08 if reflex is performed.</p>
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
Added	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	
Added	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300030	Antithrombin Activity, Plasma	77-123%	85300	
	300035	Protein C Activity (chromogenic)	55-140%	85303	
	300087	Protein S Antigen, Free	62-146%	85306	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300034	Anticardiolipin IgG, IgM, IgA	< 23GPL, < 11MPL, < 22APL	86147 X 3	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300901	Venous Thrombosis (Hypercoagulability) Profile		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G-G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	<p>Report will now include an interpretation of the lupus anticoagulant testing.</p> <p>APTT, APTT mixing studies, and anti-B2GP1 IgG, IgA and IgM have been added to the profile.</p> <p>APTT and APTT mixing studies have been added to better screen for the presence of a lupus anticoagulant. Immediate APTT mixing studies will only be performed if APTT is elevated. The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP1 IgG or IgM positivity.</p> <p>CPT code change for Hexagonal Phospholipid Neutralization.</p> <p>* DNA extraction CPT code 83891 is applied once for the profile.</p> <p style="color: blue;">Total NLA before change \$282.67 Total NLA with changes \$381.59 plus additional \$76.12 if reflex is performed.</p>
Added	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	
Added	N/A	Immediate APTT Mixing Studies		85732 X 2	
	300103	Factor VIII Activity	50-150%	85240	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300716	Activated Protein C Resistance + F V def**	2.2-4.0 ratio	85307	
	300030	Antithrombin Activity, Plasma	77-123%	85300	
	300035	Protein C Activity (chromogenic)	55-140%	85303	
	300087	Protein S Antigen, Free	62-146%	85306	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300165	Anticardiolipin IgG, IgM	< 23GPL, < 11MPL	86147 X 2	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
		**Reflex to Factor V Leiden if APCR is abnormal			
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
300903	Venous Thrombosis (Hypercoagulability) Profile for Patients on VKA (Vitamin K Antagonist) therapy		Draw 6 - 2.7 mL or 3 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 2 mL each frozen citrated plasma plus 1 Red top tube/ aliquot into 1 tube - 1 mL frozen serum plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	120736	Factor II Gene Mutation (Prothrombin G20210A)	G-G (Normal-Normal)	83891, 83892, 83894, 83898, 83912	<p>The profile name has been updated to reflect current terminology, and the report will now include an interpretation of the lupus anticoagulant testing.</p> <p>APTT, APTT mixing studies, and anti-B2GP1 IgG, IgA and IgM have been added to the profile.</p> <p>APTT and APTT mixing studies have been added to better screen for the presence of a lupus anticoagulant. Immediate APTT mixing studies will only be performed if APTT is elevated. The criteria for diagnosing antiphospholipid antibody syndrome were updated (J Thromb Haemost. 2006; 4:295) and the new criteria now include anti-B2GP1 IgG or IgM positivity.</p>
Added	300040	Activated Partial Thromboplastin Time	23.7 - 37.7 sec	85730	
Added	N/A	Immediate APTT Mixing Studies		85732 x 2	
	300103	Factor VIII Activity	50-150%	85240	
	300057	DRVVT (Dilute Russell Viper Venom Time)	28.8 - 42.0 secs, if elevated confirm is done, normal ratio is <1.3	85613	
CPT Code Change	300144	Hexagonal Phospholipid Neutralization	< 8.0 secs	85732	
	300716	Activated Protein C Resistance + F V def**	2.2-4.0 ratio	85307	
	300030	Antithrombin Activity, Plasma	77-123%	85300	
	300036	Protein C Antigen	60-150%	85302	
	300038	Protein S Antigen, Total	60-150%	85305	

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Profile Test Code	Individual Test Codes	Test Name	Reference Range	CPT Code	Change/Comments
300903	Venous Thrombosis (Hypercoagulability) Profile for Patients on VKA (Vitamin K Antagonist) therapy (con't)				
	300112	Factor VII Antigen (Research Use Only)	50-150%	85230	<p style="color: red;">CPT code change for Hexagonal Phospholipid Neutralization.</p> <p>* DNA extraction CPT code 83891 is applied once for the profile.</p> <p style="color: blue;">Total NLA before change \$299.96 Total NLA with changes \$398.88 plus additional \$76.12 if reflex is performed.</p>
	300136	Protein C Antigen/Factor VII Antigen (Research Use Only) Ratio	0.5-2.2 ratio	N/A	
	300138	Protein S Antigen/Factor VII Antigen (Research Use Only) Ratio	0.5-2.2 ratio	N/A	
	300727	Homocysteine	5.0-15.0 µmol/L	83090	
	300165	Anticardiolipin IgG, IgM	< 23GPL, < 11MPL	86147 X 2	
Added	300166	beta-2 Glycoprotein I IgG, IgA, IgM	< 21 SGU, < 21 SAU, < 21 SMU	86146 X 3	
		<i>**Reflex to Factor V Leiden if APCR is abnormal</i>			
	120719	Factor V Leiden	G - G (Normal-Normal)	83891*, 83894, 83898 X 2, 83912	
300905	Appended Venous Thrombosis Profile		Draw 3 - 2.7 mL or 2 - 4.5 mL blue top (Na Citrate) tubes/aliquot into 3 tubes - 1 mL each frozen citrated plasma plus 1 tube - 5mL whole blood in EDTA (lavender top tube) or ACD (yellow top tube) ambient temperature (Informed consent required for New York Patients)		
	300734	HR2 Haplotype (A4070G)	A-A (Normal-Normal)	83891, 83892, 83894, 83898, 83912	<p>PAI-1 Activity has been added to this profile. Plasminogen activity has been deleted from this profile.</p> <p>PAI-1 Activity has been added as recent literature suggests that elevated PAI-1 levels increase the risk for vascular thrombosis. (J Thromb Haemost. 2005; 3:1879) Plasminogen activity has been deleted as plasminogen deficiency as a cause of venous thrombosis is questionable. (Arch Pathol Lab Med 2002; 126:1376-1381)</p> <p style="color: blue;">Total NLA before change \$148.40 Total NLA with changes \$163.29</p>
	300200	Fibrinogen Activity	160-420 mg/dL	85384	
	300199	Fibrinogen Antigen	180-400 mg/dL	85385	
	300104	Factor IX Activity	60-150%	85250	
	300106	Factor XI Activity	60-150%	85270	
Added	300126	Plasminogen Activator Inhibitor-1 (PAI-1) Activity	<31.1 IU/mL	85415	
	300715	Lipoprotein (a)	<31 mg/dL	83695	

The following profiles are no longer available through Esoterix effective October 5, 2008

Profile Test Code	Test Name	Change/Comments
300927	Follow-up Heart Disease and Stroke Risk Profile	Discontinued test code, Esoterix will no longer offer this profile.
300935	Heparin Antibody Profile	Discontinued test code, Esoterix will no longer offer this profile. Profile components, Heparin Induced Thrombocytopenia Antibody (HITA)-immunologic method and Serotonin Release Assay (SRA) may be ordered as individual assays.
300937	Heparin Antibody Reflexive Profile	Discontinued test code, Esoterix will no longer offer this profile. Profile components, Heparin Induced Thrombocytopenia Antibody (HITA)-immunologic method and Serotonin Release Assay (SRA) may be ordered as individual assays.
129300	MTHFR Reflexive Profile	The MTHFR C677T and A1298C polymorphisms are no longer performed separately and must be ordered together. New order code - 304436 .