

COAGULATION SERVICES

Helping provide better patient care with a consultative approach



LabCorp and its specialty laboratory, Colorado Coagulation, have combined their broad coagulation expertise to become a leader in hemostasis testing services.

Through an extensive test menu and consultative approach, clients have resources to help predict, diagnose, and manage even the most unusual bleeding and clotting disorders.

Innovation

LabCorp, including Colorado Coagulation, is dedicated to maintaining leadership in coagulation testing.

Thrombophilia Assessment

Complete thrombotic risk evaluation through a broad menu of hemostasis assays

Abnormal APTT/PT Evaluation

A targeted approach to help identify the basis for abnormal APTT/PT screening assays

Bleeding Diathesis Diagnosis

Esoteric assays help detect abnormalities in various pathways to determine a patient's hemorrhagic risk

von Willebrand Disease

Variety of assays including multimer analysis and collagen binding activity with pathologist review

Pediatric Profiles (Bleeding and Clotting)

Specialized test combinations with minimum volume requirements

Direct Oral Anticoagulants (DOAC)

Leaders in the investigation and publication of peer-reviewed literature about DOAC measurement and interference in special coagulation assays

Scientific Expertise

With more than 40 years of experience, Colorado Coagulation serves as LabCorp's specialty testing laboratory for coagulation testing.

- On-staff, board-certified pathologists experienced in hemostasis testing accessible for expert consultation
- Comprehensive coagulation test menu, including molecular and esoteric assays
- Reflex cascade testing
- Profiles established using current clinical guidelines
- Controlled sample handling to preserve specimen integrity
- Recognized leader in clinical trials

Superior Service

LabCorp's national infrastructure allows for a seamless, integrated service that makes it easier for clients to manage their coagulation testing needs.

- Physician-to-physician consultations and written pathologist interpretations
- Custom profile options
- 30-day sample retention
- Cost-efficient test profiles
- Convenient access to nearly 2000 patient service centers nationwide
- Connectivity solutions



Scientific Team

On-staff, board-certified pathologists experienced in hemostasis testing accessible for expert consultation

Esoterix Colorado Coagulation Profiles*

Test Name	Test Includes	Test No.	Specimen	Volume	
Abnormal PT/aPTT Reflexive Profile (Esoterix)	aPTT PT/INR dRVVT Pathologist Interpretation				
		Thrombin Time (Additional assays will be performed as necessary to determine the cause of the abnormality.†)	503335	Citrated plasma, frozen	Three 1 mL platelet-poor frozen tubes
Antiphospholipid Syndrome (APS), Comprehensive (Esoterix)	aPTT (If prolonged, aPTT will reflex to Immediate aPTT Mixing Studies.†) Anticardiolipin Antibody, IgA/G/M Antiphosphatidylserine, IgG/M Antiprothrombin Antibody, IgG	β2-Glycoprotein I, IgA/G/M dRVVT Hexagonal Phospholipid Neutralization Lupus Anticoagulant Interpretation Platelet Neutralization Procedure	504400	Serum and plasma, frozen	Three 2 mL each frozen citrated plasma tubes and one 1 mL tube frozen serum
Bleeding Diathesis With Normal aPTT/PT Profile (Esoterix)‡	α2-Antiplasmin Assay Euglobulin Lysis Time Factor VIII Activity Factor VIII Chromogenic Factor IX Activity Factor XI Activity	Factor XIII Activity Fibrinogen Activity PAI-1 Activity (Reflex to PAI-1 Antigen and Tissue Plasminogen Activator (tPA) Antigen) von Willebrand Factor Activity von Willebrand Factor Antigen	503541	Plasma, frozen	7 mL platelet-poor frozen citrated plasma divided into seven tubes
Fibrinogen Evaluation Profile III (Esoterix)	Fibrinogen Activity Fibrinogen Antigen Reptilase Time	Thrombin Time Mixing Studies (Thrombin Time 1:1 NP, Thrombin Time — Heparin Neutralization)	500700	Plasma, frozen	Two tubes 1 mL each
Fibrinolysis Profile II (Esoterix)	α2-Antiplasmin D-dimer Quantitative (Automated) Euglobulin Lysis Time Fibrin Degradation Products	PAI-1 Activity Plasminogen Activity tPA Antigen	502360	Plasma, frozen	Four 2 mL platelet-poor, frozen tubes
Intrinsic Pathway Coagulation Factor Profile (Esoterix)	Factor VIII Activity Factor IX Activity	Factor XI Activity Factor XII Activity	500705	Plasma, frozen	Two tubes of 1 mL each
Lupus Anticoagulant/ Cardiolipin Antibody (Esoterix)	aPTT (If prolonged, aPTT will reflex to Immediate aPTT Mixing Studies.†) Anticardiolipin Antibody, IgG/M β2-Glycoprotein I, IgA/G/M dRVVT	Hexagonal Phospholipid Neutralization Lupus Anticoagulant Interpretation PT/INR Thrombin Time	500711	Plasma and serum, frozen	Three tubes of citrated plasma with 2 mL each and 2 mL serum
Markers of Coagulation Activation (Esoterix)	D-dimer Quantitative (Automated) Prothrombin Fragment 1+2 MoAb	Thrombin-Antithrombin Complex	500604	Plasma, frozen	2 mL
Oral Contraceptive / Hormone Replacement Therapy Thrombotic Risk Profile II (Esoterix)	Antithrombin (AT) Activity Factor II Gene Mutation Factor V Leiden	Pathologist Interpretation Protein C Activity (Chromogenic) Protein S Antigen, Free	502343	Plasma and whole blood	3 mL platelet-poor frozen citrated plasma divided into three 1 mL tubes and 5 mL whole blood
Recurrent Miscarriage / Fetal Demise Profile (Esoterix)	aPTT Anticardiolipin Antibody, IgA/G/M Antiphosphatidylserine, IgG/M Antithrombin (AT) Activity aPTT Mixing Studies β2-Glycoprotein I, IgA/G/M dRVVT Factor II Gene Mutation	Factor V Leiden Factor XIII Activity Hexagonal Phospholipid Neutralization Homocysteine Lupus Anticoagulant Interpretation PAI-1 Activity Protein C Activity (Chromogenic) Protein S Antigen, Free	502051	Serum, plasma, and whole blood	Five 1 mL tubes of platelet-poor frozen citrated plasma and 5 mL whole blood and 2 mL frozen serum
Venous Thrombosis Profile (Esoterix)	APC-Resistance (Reflex to Factor V Leiden if APCR is abnormal) aPTT (If prolonged, aPTT will reflex to Immediate aPTT Mixing Studies.†) Anticardiolipin Antibody, IgG/M Antithrombin (AT) Activity β2-Glycoprotein I, IgA/G/M dRVVT	Factor II Gene Mutation Factor VIII Activity Hexagonal Phospholipid Neutralization Homocysteine Lupus Anticoagulant Interpretation Protein C Activity (chromogenic) Protein S Antigen, Free	501790	Serum, plasma, and whole blood	Three 2 mL platelet-poor, frozen citrated plasma tubes, 5 mL whole blood, and 2 mL frozen serum
Venous Thrombosis (Hypercoagulability) Profile for Patients on Vitamin K Antagonist (VKA) Therapy (Esoterix)‡	APC-Resistance (Reflex to Factor V Leiden if APCR is abnormal) aPTT (If prolonged, aPTT will reflex to Immediate aPTT Mixing Studies.†) Anticardiolipin Antibody, IgG/M Antithrombin (AT) Activity β2-Glycoprotein I, IgA/G/M dRVVT Factor II Gene Mutation	Factor VIII Activity Hexagonal Phospholipid Neutralization Homocysteine Lupus Anticoagulant Interpretation Protein C Antigen Protein S Antigen, Total Factor VII Antigen Protein C Antigen/Factor VII Antigen Ratio Protein S Antigen/Factor VII Antigen Ratio	501768	Serum, plasma, and whole blood	6 mL (2 mL in each of three tubes) platelet-poor citrated plasma, frozen , 5 mL whole blood, and 2 mL serum, frozen
von Willebrand Disease Profile (Esoterix)‡	aPTT Collagen Binding Assays (von Willebrand Factor Collagen Binding Activity, von Willebrand Factor Collagen Binding Ratio)	Factor VIII Activity von Willebrand Factor Activity von Willebrand Factor Antigen	500247	Plasma, frozen	Three 1 mL tubes
von Willebrand Disease Reflexive Profile	Factor VIII Activity; von Willebrand Ristocetin Cofactor Activity; von Willebrand Factor Antigen, pathologist interpretation; with reflex to Collagen-binding Activity Profile [500360] and von Willebrand Factor (vWF) Multimers [500148] if abnormal results are suggestive of von Willebrand Disease (VW:RCo activity<30, or VW:RCo activity <50 AND VW activity/antigen ratio <0.7)		504808	Citrated plasma, frozen	Two tubes of 2 mL each
von Willebrand Factor (vWF) Multimers			500148	Plasma, frozen	2 mL
von Willebrand Factor (vWF) Screening Profile (Esoterix)	aPTT Factor VIII Activity	von Willebrand Factor Activity von Willebrand Factor Antigen	503333	Plasma, frozen	Three 1 mL platelet-poor, frozen tubes

*Pathologist interpretation can be added to any of the profiles above by ordering 500683.

†If reflex testing is performed, additional charge(s)/CPT code(s) may apply.

‡This procedure may be considered by Medicare and other carriers as investigational and, therefore, may not be payable as a covered benefit for patients.

For more detailed test-specific information, including the current specimen requirement, please consult the online Test Menu at <https://www.labcorp.com/test-menu>.

