Thrombotic Risk Reflex Panel

Last Literature Review: January 2025 Last Update: April 2026

This panel may be used to evaluate for inherited and acquired thrombophilias (e.g., antiphospholipid syndrome, factor V Leiden). This reflex panel provides a multistep combination of clot-based and other assays.

Featured ARUP Testing

Thrombotic Risk Reflex Panel 3017156

Method: Electromagnetic Mechanical Clot Detection / Chromogenic Assay / Semi-Quantitative Enzyme-Linked Immunosorbent Assay (ELISA) / Polymerase Chain Reaction (PCR) / Fluorescence Monitoring / Microlatex Particle-Mediated Immunoassay

Test Description

Test Components and Reflex Patterns

When the Thrombotic Risk Reflex Panel is ordered, eight initial tests will always be ordered and performed by ARUP. These tests may also be ordered separately.

Tests Always Performed as Part of Thrombotic Risk Reflex Panel (3017156)

Test	Method	Standalone Test Code
Antithrombin, Enzymatic (Activity)	Chromogenic assay	0030010
Protein S Free, Antigen	Microlatex particle-mediated immunoassay	0098894
Protein C, Functional	Electromagnetic mechanical clot detection	0030113
Beta-2 Glycoprotein 1 Antibodies, IgG and IgM	Semi-quantitative enzyme-linked immunosorbent assay	0050321
Cardiolipin Antibodies, IgG and IgM	Semi-quantitative enzyme-linked immunosorbent assay	0099344
Prothrombin (*F2*) c.*97G>A (G20210A) Pathogenic Variant	Polymerase chain reaction (PCR)/fluorescence monitoring	0056060
APC Resistance Profile with Reflex to Factor V Leiden	Electromagnetic mechanical clot detection/polymerase chain reaction (PCR)/fluorescence monitoring	0030192
Lupus Anticoagulant Reflex Panel	Electromagnetic mechanical clot detection/chromogenic assay	3017009

Based on the results of the above assays, the following tests may be performed by reflex (additional charges apply):

Tests That May Be Performed by Reflex as Part of Thrombotic Risk Reflex Panel (3017156)

Reflex Reason	Test Added (Code)	Method
Activated protein C (APC) resistance is low or invalid according to APC Resistance Profile with Reflex to Factor V Leiden (0030192)	Factor V Leiden (*F5*) R506Q Mutation (0097720)	Polymerase chain reaction (PCR)
Specific findings within the Lupus Anticoagulant Reflex Panel	Refer to the Lupus Anticoagulant Reflex Panel Test Fact Sheet for information about the Lupus Anticoagulant Reflex Panel (3017009)	

Test Interpretation

Sensitivity/Specificity

Varies

Results

Interpretive information, including the Reference Interval, is provided for each test component. Refer to the Example Reports on the ARUP Laboratory Test Directory for more information. For more information about anticoagulant neutralization in the lupus anticoagulant panel, refer to the Lupus Anticoagulant Reflex Panel Test Fact Sheet.

Limitations

- Results should be interpreted within the context of a patient's complete clinical picture.
- The following factors may result in test interference or spurious results:
  - Acute phase reactions due to pregnancy, malignancy, inflammatory or infectious states, or trauma
  - Liver disease
  - Anticoagulant medications
  - Residual platelets (≥10,000 platelets/uL) in the plasma sample

ARUP Laboratories is a nonprofit enterprise of the University of Utah and its Department of Pathology. 500 Chipeta Way, Salt Lake City, UT 84108
(800) 522-2787 | (801) 583-2787 | aruplab.com | arupconsult.com

© 2026 ARUP Laboratories. All Rights Reserved.