

Thrombosis Panel Update

The UVMHC Thrombosis and Hemostasis Laboratory offers a Thrombosis Panel. This panel of testing is recommended when evaluating a patient with a history of thrombosis or hypercoagulability.

Appropriate timing is critical to obtain useful diagnostic information. Results are best interpreted in a medially stable patient, not having an acute thrombosis and not currently receiving anticoagulation medication therapy, including heparins, direct oral anticoagulants (aka. DOAC; e.g. direct thrombin inhibitors and direct Xa inhibitors), oral vitamin K inhibitor (e.g. warfarin), fibrinolytic agents (e.g. streptokinase, tissue plasminogen activator) or platelet GPIIb/IIIa inhibitors.

For additional information about the impact of anticoagulant medications on thrombophilia testing, please contact the laboratory or refer to the reference¹ below.

Thrombosis Panel includes:

Performed at UVMHC

- Prothrombin time
- Partial Thromboplastin time with PTT 50/50 mix, if indicated
- Factor VIII Activity (clot-based)
- D-Dimer
- Anti-Thrombin 3, Functional (chromogenic)
- Protein C, Functional (clot-based)*
- Protein S, Functional (clot-based)*
- Lupus Anticoagulant Cascade*
 - ◇ Silica clot time
 - ◇ Dilute Russell viper venom time

Performed at Mayo Clinic Laboratory

- Activated Protein C Resistance V, Plasma
- Phospholipid (Cardiolipin) Antibodies, IgG and IgM, Serum
- Beta-2 Glycoprotein 1 Antibodies, IgG and IgM, Serum

*Positive results are subject to reflex testing

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Additional information regarding the Thrombosis Panel is available using the UVMHC Laboratory Services Directory.²

Proper specimen collection is critical to ensure accurate results.³

References.

1. Goodwin A and Adcock D. Thrombophilia Testing and Venous Thrombosis. N Engl J Med. 2017 Dec 7;377 (23):2297-8.
2. Profile Thrombosis available at <https://uvmlabs.testcatalog.org/show/TP1>
3. Coagulation Specimen Handling and Processing available at <https://d2xk4h2me8pit2.cloudfront.net/webjic/attachments/172/5fe9702-coag-handle-processing.pdf>