



UW Medicine
Department of Laboratory Medicine

New Expanded Venous Thrombosis Panel

[Laboratory Medicine Home Page](#)

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*For additional ordering
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A new expanded comprehensive venous thrombosis panel will replace the current panel starting May 1, 2006. The new panel includes a chromogenic factor VIII activity (CHRF8) and C-reactive protein (HSCRCP) in addition to the original tests. This panel may be ordered for a more complete evaluation of venous hypercoagulability.

Recent studies have found that elevated factor VIII activity is associated with an increased risk of venous thrombosis. In some studies up to 25% of patients with unexplained venous thrombosis had elevated factor VIII activity. To rule out the possibility that an elevated factor VIII is due to an acute phase response, a C-reactive protein level is included in the factor VIII thrombosis panel. Factor VIII activity above 150% with a normal C-reactive protein indicates an increased risk of venous thrombosis.

Old panel includes:	New panel includes:
Prothrombin DNA screen	Prothrombin DNA screen
Antithrombin III	Antithrombin III
Protein C activity	Protein C activity
Free Protein S antigen	Free Protein S antigen
Activated Protein C Resistance	Activated Protein C Resistance
Lupus inhibitor	Lupus inhibitor
---	Chromogenic factor VIII
---	C-reactive protein
Thrombosis panel interpretation	Thrombosis panel interpretation

Specimen Requirements: 5 mL lavender or yellow (ACD) for Prothrombin DNA screen.
5 mL blue (citrate) for coagulation tests gold SST, lime green PST, red or green for HSCRCP.

Specimen Handling: 5 mL lavender or yellow - Refrigerate for Prothrombin DNA screen.
5 mL blue top (citrate) tube - Specimen must be processed by lab within 4 hours of collection. Centrifuge for 10 minutes. Remove and centrifuge plasma for another 10 minutes. Decant and freeze plasma (1 mL minimum) at -50 to -70°C. Send frozen on dry ice. Gold SST, lime green PST, red or green - Centrifuge and refrigerate serum.

Performed: Coagulation tests: Mondays and Thursdays
C-Reactive Protein: Daily Monday - Friday
Prothrombin DNA: As received - results in 1-2 weeks