

Panels should only be utilized when all testing is deemed medically necessary. Any test may be ordered individually.

LUPUS ANTICOAGULANT (LAC) TESTING

Clinical Indications:

- Unexplained prolonged APTT
- Recurrent venous/arterial thrombosis
- Stroke/TIAs
- Recurrent pregnancy loss
- Unexplained thrombocytopenia
- Migraine headaches

Screening Tests

- > PT
- > APTT
- > APTT Mix
- > dRVV (dilute Russell Viper Venom)
- > TTI (Tissue Thromboplastin Inhibition)
- > Thrombin Time with Reptilase time if prolonged

Confirming Tests

- > Hexagonal Lipid Neutralization
- > Anticardiolipin Abs (IgG, IgM and/or IgA)
- > Factor VIII:C (rule out specific inhibitor)
- > β 2-Glycoprotein I (IgG, IgM, IgA)
- > Antiphosphatidylserine Abs (IgG, IgM)
- > Antiphospholipid Abs (IgG, IgM)

THROMBOTIC RISK TESTING

Clinical Indications:

- Family history of thrombosis: Arterial (A)/Venous(V)
- Thrombosis in patients < 50 yrs.
- Repeat pregnancy loss

Plasma-based Tests

(First Stage)

- > Antithrombin III Activity (V)
- > Protein C Activity (V)
- > Protein S Activity (V)
- > Activated Protein C Resistance (APCr) (A/V)

(Second Stage)

- > Plasminogen (V)
- > Plasminogen Activator Inhibitor (PAI-1) (A/V)

Genetic Tests

(First Stage)

- > Factor V Leiden Mutation (V)
- > Prothrombin Gene Variant (V)
- > MTHFR Gene C677T Variant (Homocysteine) (A/V)

(Second Stage)

- > Factor V Cambridge Mutation (V)
- > Factor V HR2 Haplotype (V)
- > MTHFR Gene A1298C Variant (Homocysteine) (A/V)
- > Glycoprotein Ia C807T (A)
- > PAI-1 Polymorphism 4G/5G (A)
- > PL A1/A2 Polymorphism (A)

VON WILLEBRAND (VW) TESTING

Clinical Indications:

- Prolonged APTT pre-surgical screen
- Post-op bleeding
- Easy bruising
- Menorrhagia
- Post partum hemorrhage
- Post dental and surgical bleeding
- Abnormal bleeding or closure time

Tests

- > APTT
- > APTT Mix
- > Factor VIII:C
- > Ristocetin CoFactor
- > vW Antigen
- > vW Antigen Multimers if RCoF or vW Ag low
- > Plt Agg-1.2 mg Ristocetin
- > Plt Agg-0.3 mg Ristocetin
- > Closure Time

PLATELET FUNCTION

Clinical Indications:

- Patients with negative vW testing and normal platelet counts

Tests

- > Plt Agg-20 μ M ADP
- > Plt Agg-10 μ M ADP
- > Plt Agg- 5 μ M ADP
- > Plt Agg-Collagen
- > Plt Agg-Arachidonic Acid
- > Closure Time

DIC TESTING

Clinical Indications:

- Decreased platelet count in patients with sepsis, recent surgery, malignancy and ob/gyn complications.

Tests

- > PT
- > PT Mix
- > APTT
- > APTT Mix
- > Fibrinogen
- > Antithrombin III Activity
- > Fibrin(ogen) Degradation Products (FDP)
- > D-Dimer

THERAPEUTIC MONITORING

- Chromogenic Factor X Assay (Coumadin monitoring with LAC)
- Heparin Level (Anti-Xa)(Fondaparinux, LMWH, Std Hep with LAC)

HEPARIN PLATELET ANTIBODIES

- Heparin Plt Ab - Aggregation
- Heparin PF4 Platelet Ab



Contact the coagulation laboratory for appropriate testing when further details are needed.

412-209-7270
800-967-9672
itxmdiagnosics.org