TEST: PROTHROMBIN GENE 20210 MUTATION (PGM)

PRINCIPLE:
Prothrombin is the gene which encodes serine protease thrombin, a key enzyme in the processes of hemostasis and thrombosis. Recently, a point mutation (G→A 20210) has been associated with deep vein thrombosis. Carriers of the mutation have a 2.8 fold increased risk for venous thrombosis.

SPECIMEN REQUIREMENTS:
10mL whole blood collected in lavender top EDTA tubes (two 5ml tubes). Specimen should be delivered to the laboratory within 72 hours at room temperature. Peripheral blood specimens that are clotted, have not been collected in EDTA, or frozen are not acceptable.

METHOD:
Polymerase Chain Reaction (PCR) and reverse hybridization.

REFERENCES:

Normal Range: Reported as: Normal, Heterozygous Mutated or Homozygous Mutated

Turnaround time: 10 business days