Prothrombin (Factor II) gene Mutation

Prothrombin (Factor II) gene Mutation (Real Time PCR)
Homozygous mutation detected / Not detected

Interpretation

RESULT	COMMENTS
Homozygous mutation detected	Both copies of the gene carry the mutation
Heterozygous mutation detected	One copy of the gene carries the mutation
Not Detected	Mutation not detected

Note:

1. This assay detects the mutation G20210A in Prothrombin gene
2. This is an in-house developed assay
3. Test conducted on Whole blood
4. Genetic counseling available.

Comments

Prothrombin G20210A mutation is the second most common inherited predisposition to hypercoagulability. Heterozygous prothrombin G20210A mutation is associated with a 2-6 fold increase in relative lifetime risk for venous thrombosis embolism. This risk is further increased in combination with pregnancy and use of oral contraceptives.

Homozygous carriers appear to have greater predisposition to develop Idiopathic recurrent venous thrombosis embolism before 40 years of age.

Uses

As a risk factor for thrombosis in patients prior to major surgery, pregnancy, post partum, oral contraceptive use, estrogen replacement therapy, transient ischemic attacks, premature stroke, peripheral vascular disease, pulmonary embolism & family history of thrombosis.

Dr Lal PathLabs