

FREE PROTEIN S ANTIGEN

Description	Automated latex ligand immunoassay for the quantitative determination of free Protein S in human citrated plasma on IL Coagulation Systems.
Indication	Performed as part of a Thrombophilia screen on patients prone to clot formation.
Additional Info	Protein S is a vitamin K-dependent cofactor for the anticoagulant and the profibrinolytic effects of activated Protein C. Two forms of Protein S are present in plasma: free Protein S (40%), and Protein S linked to the complement C4b-binding protein (C4BP) (60%). Only free Protein S has functional cofactor activity.
Concurrent Tests	Part of Thrombophilia screen
Interpretation	Free Protein S results on the ACL TOP Family are not affected by heparin (UF heparin or LMW heparin) up to 1.5 IU/mL, bilirubin up to 25 mg/dL, hemoglobin up to 200 mg/dL, triglycerides up to 1500 mg/dL, platelets up to 1010/L and rheumatoid factor up to 900 IU/mL. Free Protein S assay is not affected by Factor V Leiden mutation (APC-R).
Collection Conditions	Samples must be correctly filled as the ratio of anticoagulant to blood is crucial for accurate test results. Samples will be rejected by the laboratory if they are under or over filled. Samples should arrive in the laboratory within 4 hours of blood draw.
Frequency Of Testing	Abnormal results should be repeated in 6-12 weeks.
Clinical Advice/Contact	Haematology Registrar