

Nordic Blue Free Protein S Kit

Latex assay for analyzers operating in the 400 - 600 wavelength range



- ▶ *Specific for free Protein S*
- ▶ *Good correlation to existing free Protein S assay*
- ▶ *Multiplatform with applications for most coagulation instruments*
- ▶ *Liquid reagent, ready to use*



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Function and Clinical Usage

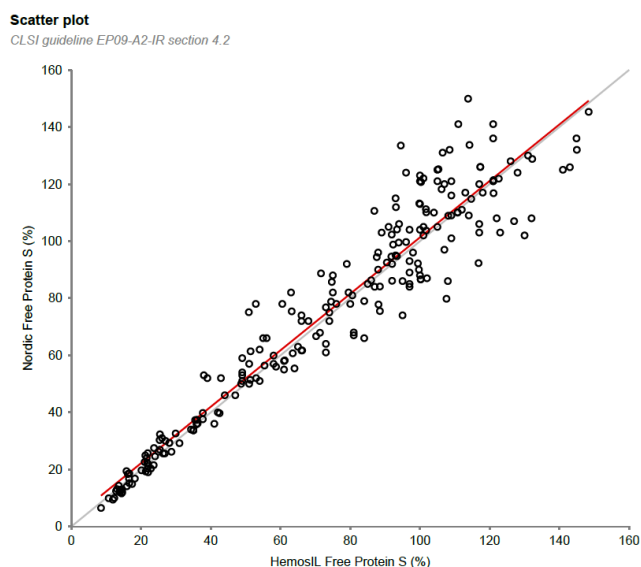
Nordic Red Free Protein S consists of sub-micron sized polystyrene particles coupled to two different monoclonal antibodies specific for Protein S. This system is not sensitive to Protein S bound to C4b-binding protein (C4BP), but only reacts with the free active form of Protein S. When the reagent in Nordic Red Free Protein S is exposed to a plasma sample containing free Protein S, the particles will agglutinate, giving rise to increased light-scattering.

Inherited and acquired Protein S deficiency is an important risk factor for venous thrombosis. Measurements of Free Protein S can better discriminate between the different subtypes of Protein S deficiency than what measurement of only total Protein S concentrations can, and has therefore become an important tool in clinical thrombosis investigations.

Specificity

The signal from Nordic Free Protein S is efficiently quenched by stoichiometric amounts of C4BP, which proves that the latex reagent only reacts with Protein S not bound to C4BP, i.e. free Protein S.

In a comparative performance test, the Nordic Free Protein S assay correlates very well with an existing free Protein S assay.



Ordering Information

Part Number	Part Name	Contents
K5010	Nordic Blue Free Protein S Kit	Latex Reagent 3 x 2.5 mL Reaction Buffer 3 x 4 mL
K5006	Nordic Specialty Hemostasis Calibration Kit	Specialty Hemostasis Calibrator 3 x 1 mL Sample Dilution Buffer 3 x 7 mL
K5007	Nordic Low Specialty Hemostasis Control Kit	Low Specialty Hemostasis Control 6 x 1 mL
K5008	Nordic High Specialty Hemostasis Control Kit	High Specialty Hemostasis Control 6 x 1 mL



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