

CRYOcheck™ Clot S™

CRYOcheck Clot S is a clot-based assay presented in a frozen format and intended for the quantitative determination of protein S activity in citrated human plasma. CRYOcheck Clot S may be used with our Gold Standard Family of Assayed Plasmas, including CRYOcheck Normal Reference Plasma (calibration plasma), CRYOcheck Reference Control Normal (normal control), CRYOcheck Abnormal 1 Reference Control (borderline pathological control), and CRYOcheck Abnormal 2 Reference Control (pathological control), as part of a complete testing solution.

CRYOcheck Clot S initiates the common pathway of coagulation in plasma using a Russell's viper venom (RVV-X) reagent to convert factor X to Xa in the presence of activated protein C (APC), bypassing all factors above the common pathway. When mixed with protein S deficient plasma, samples from patients with a protein S deficiency or dysfunction will have shortened CRYOcheck Clot S clotting times relative to samples with normal levels of functional protein S. The clotting time is proportional to the amount of functional protein S in the patient's plasma and this can be quantified using a calibration curve.

FEATURES:

- Unaffected by factor VIII:c levels up to 600%
- Unaffected by unfractionated heparin (UFH) or by low molecular weight heparin (LMWH) up to 1.0 IU/mL
- Designed for use on automated instruments – protocols for most instrumentation available upon request
- Convenient frozen format – ready to use within minutes of thawing
- Excellent stability on-board instrument
- Excellent linearity resulting in a broad reportable range
- Packaging and vials are compact and color-coded for easy storage and location in freezers
- Expiry dating of 2 years from the date of manufacture when stored at -70°C or below

KIT COMPONENTS:

Protein S Deficient Plasma (PS Deficient)

Citrated pooled normal human plasma (depleted of protein S by immunoadsorption), buffers and stabilizers

Clot S Activator (Activator)

Contains activated protein C, Russell's viper venom, heparin neutralizing agents, buffers and stabilizers



DESCRIPTION	CATALOG #	COMPONENTS	FORMAT	# OF TESTS
CRYOcheck Clot S	CCS-30	PS Deficient	5 x 3.0 mL	300
		Activator	5 x 3.0 mL	
	CCS-15	PS Deficient	5 x 1.5 mL	150
		Activator	5 x 1.5 mL	

CRYOcheck Clot S is used with C & S Diluent, available separately from Precision Biologic. Other diluents may be recommended. Refer to instrument-specific protocol.