

## CRYOcheck™ Clot C™

CRYOcheck Clot C is a clot-based assay presented in a frozen format and intended for the quantitative determination of protein C activity in citrated human plasma. CRYOcheck Clot C 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 C functions by direct activation of protein C in the patient sample using a protein C activator. The common pathway of coagulation is initiated with Russell's viper venom (RVV-X) reagent to convert factor X to Xa, bypassing all factors above the common pathway. Patients with a protein C deficiency or dysfunction will have shortened CRYOcheck Clot C clotting times relative to patients with normal levels of functional protein C. The clotting time is proportional to the amount of functional protein C 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 samples from patients heterozygous for the factor V<sub>Leiden</sub> mutation
- Interference by lupus anticoagulants has not been observed
- Unaffected by unfractionated heparin or by low molecular weight heparin up to 1.2 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 linearity resulting in a broad reportable range
- Excellent stability on-board instrument
- 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 C Deficient Plasma (PC Deficient)

Citrated pooled normal human plasma that has been depleted of protein C by immunoabsorption

#### Clot C Activator (Activator)

Contains protein isolated from the venom of *Agkistrodon contortrix contortrix* capable of activating protein C in human plasma, Russell's viper venom, phospholipids, heparin neutralizing agents, buffers and stabilizers



DESCRIPTION	CATALOG #	COMPONENTS	FORMAT	# OF TESTS
CRYOcheck Clot C	CCC-30	PC Deficient Activator	5 x 3.0 mL 5 x 3.0 mL	300
	CCC-15	PC Deficient Activator	5 x 1.5 mL 5 x 1.5 mL	150

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