

Certificate of Analysis

Product: Human Protein S Deficient Plasma, Lyophilized

Reference Number: 5D-42162L

Lot Number: xxxxxx

Expiration Date: xxxx-xx

Preparation: Pooled normal citrated human plasma depleted of Protein S (PS) using antibodies directed to PS immobilized on agarose beads. Plasma contains 50 mM HEPES and stabilizers.

Storage: Prior to reconstitution, dried plasma should be stored at 2-8°C.

Presentation: Each vial lyophilized from 1 mL PC deficient plasma.

Specifications: Lot specific assay results

Assay	
PT (Stago Neoplastine C1+)	14.2 sec
APTT (HemosIL APTT-SP)	37.1 sec
Fibrinogen (clottable)	2.79 g/L
FII (activity)	1.01 U/ml
FV (activity)	0.84 U/ml
FVII (activity)	1.01 U/ml
FVIII (activity)	0.68 U/ml
FIX (activity)	1.34 U/ml
FX (activity)	0.93 U/ml
FXI (activity)	1.09 U/ml
FXII (activity)	1.12 U/ml
Protein S (antigen) by ELISA	<0.01 U/ml
Protein C (antigen) by ELISA	1.12 U/ml

Reconstitution: Reconstitute one vial with 1 mL of reagent grade water. Allow contents to dissolve for 15 minutes at room temperature with occasional swirling. Stability after reconstitution is 4 hours at ambient (18-25°C), or 30 days at -20°C.

For Research Use Only. Not for use in diagnostic procedures. For *in vitro* use only.

Although this material was prepared with plasma collected from donors screened for CJD and which was tested at source and found negative for HBsAg, syphilis and antibodies to HIV and HCV and non-reactive for HIV-1 rNA and HCV rNA by FDA approved tests, it should be handled by personnel trained in the proper procedures for handling potential viral contaminants.