



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet NATIVE HUMAN FACTOR XIII A

**Catalog No.**  
DS-01-0111

**Source**  
Human plasma

## Preparation

Purified protein from human plasma. Molecular Weight is 312 kDa.

## Formulation

8.0 mg/ml (922 U/mg) in Buffer Solution with 50% Glycerol and 500  $\mu$ M EDTA.

## Applications

Table Summary of protein applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Function Assay	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

## Stability

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life is 18 months from date of dispatch

**Avoid repeated freezing and thawing**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Activity**

One unit is equal to the Factor XIII activity in 1 ml of normal plasma. The activity was measured using the Pefakit Factor XIII Incorporation Assay (Pentapharm).

Factor XIII-A is present as a tetramer (A<sub>2</sub>B<sub>2</sub>) in the absence of calcium, with two identical A chains (Mr=71,000), each containing 6 free sulfhydryls and an active site, two identical B subunit (Mr=88,000) identical subunits, A (Mr=75,000), B (Mr=88,000).

Negative for anti-HIV-1/2, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II.

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