

# Human Antihemophilic Factor VIII

## Certificate of Analysis and Data Sheet

➤ <b>Source:</b> Human	➤ <b>Catalog No.</b> PRO-317
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### ➤ **Description :**

Prospec's Human Factor VIII extracted from human plasma, is a glycosylated polypeptide chain having a total amino acids of 1438 (170kd) and consisting of two dimer chains 80 kD and 90 kD  
Factor-VIII is purified by proprietary chromatographic techniques

### ➤ **Physical Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

### ➤ **Formulation:**

400IU/ml was lyophilized from a sterile solution containing 10ppm TNBP, 100ppm Polysorbate 80, 500ppm PEG, 1.5% Glycine, 160mM Sodium chloride and 25mM Citrate.

### ➤ **Solubility:**

It is recommended to reconstitute the lyophilized Factor-8 in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### ➤ **Stability:**

Lyophilized Factor-VIII although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please avoid freeze-thaw cycles.**

### ➤ **Purity:**

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

### ➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

### ➤ **Biological Activity:**

This Factor-VIII is fully biologically active when compared to standard. The potency per mg was tested and found to be 150 Units/mg.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Factor-8.

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.