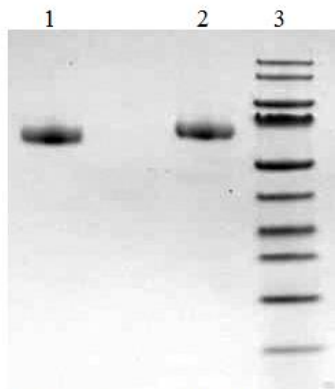


## Molecular Innovations, Inc.

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# Certificate of Analysis



4-12% Bis-Tris SDS-PAGE  
1 HFIX-3118 (3 ug) Non-reduced  
2 HFIX-3118 (3 ug) Reduced  
3 Molecular Weight Markers

**Product:** Human Factor IXa-beta – HFIXA

**Date:** 22 June 2016

**Lot:** HFIXA-4144

**Molecular Weight:** 45,000 Da

### Physical Specifications:

Physical Appearance: colorless frozen solution

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.48     $\epsilon^{0.1\%} = 1.32$   
Concentration = 1.12 mg/mL

### Considerations:

Specific Activity: 6.85 U/mg on chromogenic substrate.  
Storage Conditions: Store frozen at -70°C – stability > 1yr  
Buffer Composition: 0.02M MES; 0.6M NaCl; pH 6.0  
Other: > 95% pure by SDS-PAGE  
Purified from Human Plasma that was tested and found negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II

*Duane E. Day*

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