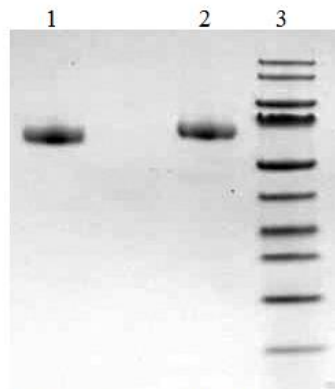


## Molecular Innovations, Inc.

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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 IX – HFIX

**Date:** 13 December 2013

**Lot:** HFIX-3118

**Molecular Weight:** 56,000 Da

### Physical Specifications:

Physical Appearance: colorless frozen solution

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.09  $\epsilon^{0.1\%} = 1.32$   
Concentration = 1.58 mg/mL

### Considerations:

Specific Activity: 190 PEU/mg  
Storage Conditions: Store frozen at -70°C – stability > 1yr  
Buffer Composition: 0.02M Tris-HCl; 0.1M NaCl; 0.001M Benzamidine; pH 7.4  
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

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Duane E. Day