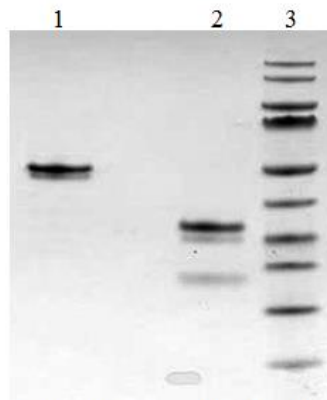


## Molecular Innovations, Inc.

46430 Peary Court  
Novi, MI 48377  
TEL: (248) 896-0142  
FAX: (248) 896-0148  
<http://www.mol-innov.com>

# Certificate of Analysis



4-12% Bis-Tris SDS-PAGE  
1 HFXA-4169 (3 ug) Non-reduced  
2 HFXA-4169 (3 ug) Reduced  
3 Molecular Weight Markers

**Product:** Human Factor Xa – HFXA

**Date:** 10 June 2016

**Lot:** HFXA-4169

**Molecular Weight:** 46,000 Da

### Physical Specifications:

Physical Appearance: colorless frozen solution

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 3.06  $\epsilon^{0.1\%} = 1.16$   
Concentration = 2.64 mg/mL

### Considerations:

Specific Activity: 245.0 IU/mg  
Storage Conditions: Store frozen at -70°C – stability > 1yr  
Buffer Composition: 0.02M Bis-Tris; 0.7M 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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