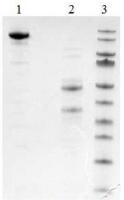
Molecular Innovations, Inc.

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Certificate of Analysis



4-12% Bis-Tris SDS-PAGE

1 HFXIA-4210 (3 ug) Non-reduced

2 HFXIA-4210 (3 ug) Reduced

3 Molecular Weight Markers

Product: Human Factor XIa – HFXIA

Date: 22 June 2016 **Lot:** HFXIA-4210

Molecular Weight: 160,000 Da

Physical Specifications:

Physical Appearance: colorless frozen solution

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = $1.54 \in {}^{0.1\%} = 1.34$

Concentration = 1.15 mg/mL

Considerations:

Specific Activity: 234.6 IU/mg

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 4 mM Sodium Acetate; 0.15 M NaCl; pH 5.3

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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