

Molecular Innovations, Inc.

46430 Peary Ct.

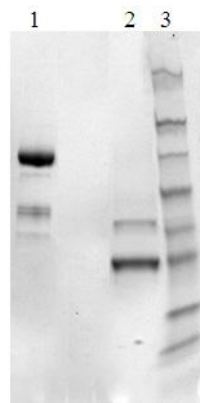
Novi, MI 48377

TEL: (248) 896-0142

FAX: (248) 896-0148

Web Site: <http://www.mol-innov.com>

Certificate of Analysis



1. Human Factor XIIa (5 ug) NR

2. Human Factor XIIa (5 ug) R

3. Molecular Weight Markers

Product: Human Factor alpha-XIIa – HFXIIA

Date: September 12, 2012

Lot: HFXIIA-SAMPLE

Molecular Weight: 80,000

Physical Specifications:

Physical Appearance: colorless frozen solution

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.484 $\epsilon^{0.1\%} = 1.4$

Concentration = 1.06 mg/mL

Activity Data:

33.53 PEU/mg

0 residual XIIa activity on chromogenic substrate.

Considerations:

Storage Conditions: Store frozen at -20°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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