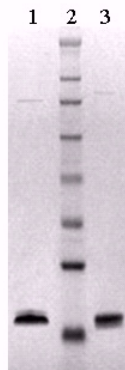


## Molecular Innovations, Inc.

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

# Certificate of Analysis



1. Human Platelet Factor 4 (1 ug) NR
2. Molecular Weight Markers
3. Human Platelet Factor 4 (1 ug) R

**Product:** Human Platelet Factor 4 – HPF4

**Date:** February 2012

**Lot:** 2290

**Molecular Weight:** 29 kDa by SDS PAGE (7.8 kDa Monomer)

### Physical Specifications:

Physical Appearance: colorless frozen solution

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 0.26  $\epsilon^{0.1\%} = 0.26$   
Concentration = 1.0 mg/mL

### Purification:

Human PF-4 is prepared from the supernatant of thrombin-activated platelets by heparin-agarose affinity chromatography. Purity is assessed by SDS-PAGE analysis and heparin-neutralizing activity is verified by clotting assay.

### Considerations:

Storage Conditions: Store frozen at -70°C  
Minimum Shelf Life: 3 years from delivery  
Buffer Composition: 0.025 M HEPES; 2.0 M NaCl; pH 7.4  
Specific Activity: 119 U/mg (1 unit will neutralize 1 I.U. of heparin in 1 ml of normal plasma)  
Other: > 95% pure by SDS PAGE

*Duane E. Day*

Duane E. Day