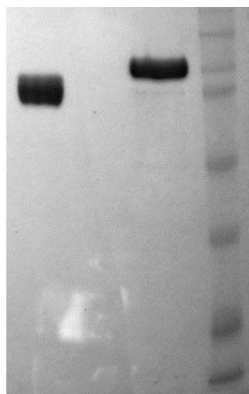


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# Certificate of Analysis



10% Tris-HCl SDS-PAGE  
1 HGPG-716 (5 ug) Non-reduced  
2 HGPG-716 (5 ug) Reduced  
3 Molecular Weight Markers

**Product:** Human Glu Plasminogen – HGPG

**Date:** 8 July, 2016

**Lot:** HGPG-716

**Molecular Weight:** 92,000 by SDS PAGE

**Physical Specifications:**

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

**Spectrophotometric Data:**

Ultraviolet: Absorbance (280nm) = 16.56  $\epsilon^{0.1\%} = 1.69$   
Concentration = 9.8 mg/mL

**Activity:**

No plasmin activity detected with the chromogenic substrate S-2251. > 98% conversion to plasmin is observed upon activation with uPA.

**Considerations:**

Storage Conditions: Store frozen at -70°C – stability > 1yr  
Buffer Composition: 0.1M HEPES; 0.1M NaCl; pH 7.4  
Other: The above protein is purified from human plasma that is tested and found negative for all communicable diseases, including HIV-1, HIV-2, Hepatitis Surface antigen and HCV.

*Duane E. Day*

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