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# Certificate of Analysis

**Product:** HPAI-A335E – Human Plasminogen Activator Inhibitor (substrate mutant)

**Date:** July, 2003

**Lot:** HPAI-A335E-703

**Molecular Weight:** 43,000 by SDS PAGE

**Physical Specifications:**

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL and < 5 mg/mL

**Spectrophotometric Data:**

Ultraviolet: Absorbance (280nm) = 2.14  $\epsilon^{0.1\%} = 1.0$   
Concentration = 2.14 mg/mL

**Substrate Activity:**

A single substitution at position P12 in the reactive center loop produces a PAI-1 that becomes a substrate for proteinases rather than an inhibitor.

**Considerations:**

Storage Conditions: Store frozen at -70°C – stability > 1yr  
Buffer Composition: 0.05 M Sodium Phosphate; 0.7 M NaCl; pH 6.0  
Other: > 98% pure by SDS PAGE

*Duane E. Day*

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