

Innovative Research, Inc.

46430 Peary Court
Novi, Mi 48377
TEL: (248) 896.0145
FAX: (248) 896.0149
Web Site: <http://www.innov-research.com>

Certificate of Analysis

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

Date: July, 2003

Lot: HPAI-A335E

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