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Product Specification

Human Plasminogen Activator Inhibitor I N-Terminal Cysteine Mutant (active wild type)

Product #: PI 80

Lot #: NTPAI-A-1202

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.3 $^{0.1\%}$ = 1.0

Concentration = 2.3 mg/mL

Active Concentration = 2.3 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

uPA = $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl;
1 mM EDTA; 1 mM DTT; pH 6.6

Other: > 98% pure by SDS PAGE 95 (+/-) 5% active by uPA titration



10% SDS-PAGE - GelCode Blue Stain
1 NTPAI-A-1202 (2 ug) Reduced
2 NTPAI-A-1202 (2 ug)+uPA-HTC (10 ug) Reduced