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Product Specification

Human Plasminogen Activator Inhibitor I Histidine Tagged (stable mutant)

Product #: PI 06

Lot #: 6XHISPAI-1001

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.65 $^{0.1\%}$ = 1.0

Concentration = 1.65 mg/mL

Active Concentration = 1.65 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; pH 5.8

Other: > 99% pure by SDS PAGE 98 \pm 2% active by uPA titration

