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Product Specification

Murine Plasminogen Activator Inhibitor 1 (stable mutant)

Product #: PI 18

Lot #: MPAI-191L-203

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.6 $^{0.1\%}$ = 1.0

Concentration = 2.6 mg/mL

Active Concentration = 2.6 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:

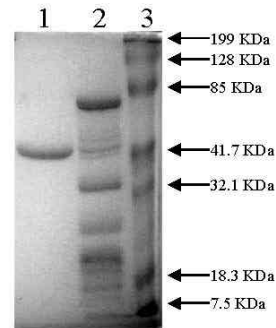
Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.05 M Sodium Acetate; 0.1 M NaCl;

1 mM EDTA; pH 5.0

Other: > 98% pure by SDS PAGE 95 ± 5% active by uPA titration

Half-life at 37°C and 7.4pH is ~18 hours



10% SDS-PAGE - GelCode Blue Stain

1 MPAI-191L-1200B (5 ug) Reduced

2 MPAI-191L-1200B (5 ug)+uPA-HTC (8 ug) Reduced

3 Prestained Standard