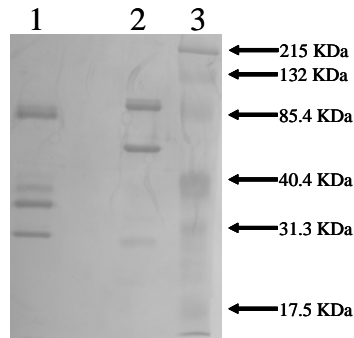


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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain

1 BPLM-406 (3 ug) Reduced
2 BPLM-406 (3 ug) Non-reduced
3 Prestained Standard

Product: Bovine Plasmin – BPLM

Date: 21 April, 2006

Lot: BPLM-406

Molecular Weight: 83,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 9.5 $\epsilon^{0.1\%}$ = 1.69

Active Concentration = 5.62 mg/mL

Activity:

100% by definition (eluted from SBTI)

Considerations:

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

Buffer Composition: 0.1 M HEPES; 0.1 M NaCl; 1 mM EDTA; pH 7.4

Other: The sample was eluted from SBTI agarose with 0.5 M benzamidine.

The sample is by definition 100% active because only functionally active plasmin can be bound to SBTI agarose. Benzamidine was removed by gel filtration using G-25 and the sample was flash-frozen immediately. The plasmin will undergo rapid auto proteolysis in the absence of benzamidine and should be used quickly once thawed. Aliquot to avoid freeze-thaw cycles.

Partial cleavage of bovine plasmin between kringles 3 & 4 occurs upon activation, producing a low molecular weight band. This midiplasmin is 100% active. Christensen et al. *Biochem J.* 1995.

Duane E. Day

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