



# PBL InterferonSource

## THYMOSIN ALPHA 1

Product Number: **11976-1**

Lot Number:

Size: **≥ 500 µg**

**Description:** Thymosin Alpha 1

**Sequence:** Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Leu-Lys-Glu-Lys-Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn-OH

**Molecular Formula:** C<sub>129</sub>H<sub>215</sub>N<sub>33</sub>O<sub>55</sub>

**Contents:** 580 µg/vial

**Molecular Weight (as free peptide):** 3108.3 Daltons

**Form:** Lyophilized in deionized water

**Reconstitution:** Reconstitute in 0.5-1.0 ml distilled water

**Source:** Synthetic

**Purity:** > 97% by analytical HPLC µBondapak C18 [H<sub>2</sub>O-CH<sub>3</sub>CN (0.022% TFA)]

**Characterization by Amino Acid Analysis:** Asp, 4.3{4}; Thr, 2.86{3}; Ser, 3.08{3}; Glu, 6.18{6}; Ala, 3.18{3}; Val, 3.11{3}; Ile, 0.93{1}; Leu, 1.03{1}; Lys, 4.05{4}

**Assay Used to Measure Bioactivity:** In Vivo mouse protection assay. Mice were treated daily with Thymosin alpha 1 (80-640 ng/mouse) and challenged with 4x10<sup>4</sup> cells of *C. albicans* two days after start of treatment. A decreased *C. albicans* count was observed in the mice protected with Thymosin alpha 1.

**Shipping Conditions:** Dry Ice

**Physical State of Product During Shipping:** Lyophilized

**Special Conditions/Comments:** After receipt, this product should be kept at -70 °C for retention of full activity. **Centrifuge before use to ensure material is at bottom of vial.** When reconstituting, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum.

For further product information visit [www.interferonsource.com](http://www.interferonsource.com)

### Authorization

Released by: \_\_\_\_\_

Date: July 17, 2007

**This Product is for RESEARCH USE ONLY and is not for sale or use in any commercial kit. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**

Rev.01

your total interferon source

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