



## EndoZap-R™ Product Sheet

### **Product Description:**

EndoZap-R™ is used for the neutralization of endotoxin in aqueous solutions. EndoZap-R™ is a chemically synthesized 34mer peptide derived from the Sushi domain 3 of the horseshoe crab Factor C. The peptide can neutralize endotoxin as determined by the LAL reaction and suppression of endotoxin-induced hTNF- $\alpha$  secretion from THP-1 monocytes. (Tan et. al., 2000).

### **Chemical Structure:**

Factor C sushi peptide amino acid sequence:

NH-HAEHKVKIGVEQKYGFQPGTEVTYTCSGNYFLM-COOH

U.S. Patent No. 6,719,973

### **Advantages:**

- Utilized for the neutralization of the biological effects of endotoxin in valuable test samples
- High binding affinity with high specificity
- Chemically synthesized compound
- Can be used as an anti-microbial
- Non-toxic

### **Shipping and Storage:**

Upon receipt of EndoZap-R™ store frozen. EndoZap-R™ is shipped at ambient temperature.

Product Characteristics	EndoZap-R™
Sterility	Non-sterile
Amount	1 mg/vial
Binding affinity	$10^{-7} - 10^{-8}$ M
Form	Powder
Purity	> 98% Factor C sushi peptide

Reference: Tan et. al. FASEB J. 14:1801, 2000.

**FOR RESEARCH USE ONLY**

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