



## EndoBind-R™ Product Sheet

### Product Description:

EndoBind-R™ is a 1 ml column containing the sushi 3 domain of horseshoe crab Factor C peptide bound to a 4% cross-linked beaded agarose support resin. It is used for the removal of low-level endotoxin from aqueous solutions, which features ease of use, high-binding affinity and high endotoxin capacity. Requires no special reagents or buffers and can be used over a broad range of conditions with high specificity.

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

### Advantages:

- High binding affinity and capacity
- Non-cytotoxic; non-haemolytic
- Chemically-synthesized compound
- No special buffers required for binding or washing
- Large pore size
- Hydrophilicity minimizes non-specific binding

### Procedure for Endotoxin Removal:

1. Wash column with ~ 10 Column volumes (CV) of endotoxin free wash buffer. Column is ready to use for endotoxin removal.
2. Load sample onto column.
3. Allow sample to enter column bed by gravity flow rate.
4. Elute sample with endotoxin free buffer. Sample should be devoid of endotoxin.
5. Regenerate column (to remove bound endotoxin) with 10 CVs of 1% Deoxycholate (DOC); wash with endotoxin-free water; 2 M NaCl; and wash column again in endotoxin-free water.
6. Store column at 4 °C, in 0.02% sodium azide.

### Shipping and Storage:

Upon receipt of EndoBind-R™ store 4-8<sup>0</sup> C. EndoBind-R™ is shipped at 4-8<sup>0</sup> C.

Product Characteristics	EndoBind-R™
pH range (buffer)	pH 5-9
Binding capacity	2,000,000 EU/ml resin
Binding affinity	10 <sup>-7</sup> – 10 <sup>-8</sup> M
Flow rate	Gravity
Purity	>98% Factor C sushi peptide
Temperature stability	Regular use between 4 <sup>0</sup> C and room temperature
Buffers	Not required

Reference: Ding, J.L. et al. (2001) J. Chromatography B 759: 237-246.

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