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CERTIFICATE OF ANALYSIS  
Toxin B from *C. difficile*  
Lot #15520A4A

**Contents**

Each vial, when reconstituted with 100  $\mu$ l of water, contains 2  $\mu$ g of *C. difficile* toxin B in 50 mM Tris, 100 mM NaCl, pH 7.5, with 0.1% trehalose. **Handle the product gently; do not vortex.**

**Concentration**

Protein concentration is determined by the Bradford method<sup>1</sup> using bovine serum albumin as the standard.

**Purity**

When examined on 3-8% SDS-polyacrylamide gels, this protein migrates as a single band with an apparent molecular weight of 270,000 Da. Densitometric analysis estimates the purity of the product as >90%.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is <5 EU/mg.

**Activity**

This lot of *C. difficile* toxin B has been tested to confirm activity in a cell rounding assay using human foreskin cells and was found to be acceptable. Since each cell type exhibits a different sensitivity, testing a range of toxin concentrations is highly recommended.

**Packaging and Storage**

This product is supplied as a lyophilized powder, sealed under vacuum. Following reconstitution, use immediately; do not store. **DO NOT FREEZE.**

**Handling:**

Good laboratory technique should be employed in the safe handling of this product. Wear appropriate laboratory attire including a lab coat, gloves and safety glasses. Nitrile gloves are recommended when handling lyophilized material.

This product is intended for research purposes by qualified personnel. It is not intended for use in humans or as a diagnostic agent. List Biological Laboratories, Inc. is not liable for any damages resulting from the misuse or handling of this product.

**FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

**References**

1. Bradford, M.M. (1976) *Anal. Biochem.* **72**, 248-254.

Production: KD Date: 3/27/14 Management: NS Date: 3/27/14 QA/QC: QJP Date: 3/27/2014