

CERTIFICATE OF ANALYSIS

Toxin B from *C. difficile*

Lot #15518A1A

Contents:

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

Concentration:

Protein concentration is determined by the Bradford method¹ using bovine serum albumin as the standard.

Purity:

This preparation migrates as a major band of molecular weight >200,000 daltons when run on a 3-8% gradient polyacrylamide-SDS gel.

This product has been tested for endotoxin levels and was found to be acceptable.

Activity:

Each lot of *C. difficile* toxin B has been tested to confirm activity using 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 concentration is highly recommended.

Packaging and Storage:

This product is supplied as a sterile lyophilized powder, sealed under vacuum. Store at 2-8°C prior to and following reconstitution. Toxin B activity was decreased after 2 weeks storage at 2-8°C following reconstitution. Do Not Freeze.

Handling:

Good laboratory technique should be employed in the safe handling of this product. This requires observing the following practices:

1. **Wear appropriate laboratory attire including a lab coat, gloves and safety glasses. Nitrile gloves are recommended for use when handling lyophilized material.**

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2. Do not mouth pipette, inhale, ingest or allow to come into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product.
3. Avoid accidental autoinoculation by exercising extreme care when handling in conjunction with any injection device.
4. This product is intended for research purposes by qualified personnel only. 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: TP Date: 1/25/11 Management: NS Date: 1/25/11 QA/QC: CL Date: 1/25/11