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Product #154A  
Lot #1541A1A

**CERTIFICATE OF ANALYSIS**  
**Toxin B Toxoid from *C. difficile***  
**(formaldehyde inactivated Toxin B from *C. difficile*)**  
**Lot #1541A1A**

**Contents**

Each vial, when reconstituted with 100 µl of sterile purified water, contains 20.0 µg of toxoid in 0.1 M Histidine, 0.1 M Sodium Chloride, pH 6.5 with 5% Trehalose. **Handle the product gently; do not vortex.**

**Concentration**

Protein concentration was determined by absorbance at 280 nm using an extinction coefficient of 1.4 for a 1 mg/ml solution.

**Purity**

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

**Toxicity**

Toxoid is produced from Toxin B of *C. difficile* by inactivation with formaldehyde. The resulting toxoid is essentially nontoxic. At 50.0 µg/ml, the toxoid has no detectable cytotoxicity in a cell rounding assay using human foreskin cells when compared to Toxin B. At the highest dose tested (50.0 µg/mouse), mice injected intraperitoneally showed no toxic signs during the seven days of observation.

**Packaging/Storage**

This product is supplied as a lyophilized powder, sealed under vacuum. Store at 2-8°C prior to reconstitution.

**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 for use 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.

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