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Certificate of Testing

Toxin B from *C. difficile*

Prod. No: 155L Lot Number: 15522A2

Date of Manufacture 22 June 2021 **FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN USE.**

Contents

Each container holds 50 µg of *C. difficile* Toxin B in 50 mM Tris, 100 mM NaCl, pH 7.5 at a concentration of 0.2 mg/ml.

Storage/Shipping Requirements

Store at 5 ± 3 °C. This product is provided as an aseptically packaged liquid. Ship material on blue ice.

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.

The 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.

| Attribute | Test Method ID/Version | Results |
|------------|-------------------------------------|--|
| Appearance | Physical Appearance / ASSAY.063 v05 | Clear, colorless, and particulate free |
| Purity | SDS-PAGE / GELS.018 v18 | Non-reduced: 83.6% purity Reduced: 89.7% purity |
| | Native Gel / GELS.008 v05 | 3 distinct bands |
| | OD Measurement / ASSAY.060 v07 | A ₂₈₀ /A ₂₆₀ : 1.71 A ₃₂₀ : 0.0047 |
| | Endotoxin / ASSAY.092 v05 | <10 EU/mg |
| Potency | Vero Cell Assay / ASSAY.139 v01 | CC ₅₀ : 3.04 pg/mL |

Quality Control Manager:  Date: 09/28/2021

Production:  Date: 09/28/2021