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Certificate of Testing

Toxin B from *Clostridium difficile*

Prod. No: 155L Lot Number: 15522A3

Date of Manufacture 12 December 2022 **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 on 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: 64.1% purity Reduced: 72.7% purity
	Native Gel / GELS.008 v05	3 distinct bands
	OD Measurement / ASSAY.060 v07	A ₂₈₀ /A ₂₆₀ : 1.6 A ₃₂₀ : 0.03
	Endotoxin / ASSAY.092 v05	<10 EU/mg
Potency	Vero Cell Assay / ASSAY.139 v01	CC ₅₀ : 4.21 pg/mL

Quality Control Manager:  Date: 02/02/2023

Production:  Date: 02/03/2023