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## Certificate of Testing

### Cholera Toxin B Subunit

Prod. No: 104 Lot Number: 10434A1

Date of Manufacture 10 August 2022 **FOR RESEARCH PURPOSES ONLY.  
NOT FOR HUMAN USE.**

#### Contents

Each container holds 0.5 mg of lyophilized Cholera Toxin B Subunit (Choleraagenoid) in 0.01 M Sodium Phosphate at pH 7.5 when reconstituted with 0.25 mL water. **Handle the product gently; do not vortex.**

#### Storage/Shipping Requirements

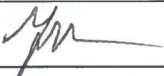
Store at  $5 \pm 3^\circ\text{C}$ . This product is provided as an aseptically packaged lyophilized powder, sealed under vacuum. Ship material at ambient temperature

#### 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	Before reconstitution: uniform white pellet After reconstitution: clear, colorless, and particulate free
Purity	SDS-PAGE / GELS.018 v18	Non-reduced %purity: 100% Reduced %purity: 100%
	Native Gel / GELS.008 v05	2 distinct bands at 100% purity
	OD Measurement / ASSAY.060 v07	$A_{280}/A_{260}$ : 2.00 $A_{320}$ : 0.01
	Endotoxin / ASSAY.092 v06	0.15 EU/mg
Activity	Hemagglutination Assay / ASSAY.011 v06	Lowest concentration with positive response: 0.0016 mg/mL
	Immunodiffusion Plate Assay / ASSAY.019 v05	Lowest concentration of Cholera Toxin B subunit detected by anti-Cholera Toxin B: 0.031 mg/mL

Quality Control Manager:  Date: 09/30/2022

Production:  Todd Christian Date: 10/06/2022