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Certificate of Testing

Diphtheria Toxin from *Corynebacterium diphtheriae*, Lyophilized in Buffer

Prod. No: 150 **Lot Number:** 15048A1

Date of Manufacture 06 December 2024 **FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

Contents

Each container holds 1 mg of lyophilized diphtheria toxin. When reconstituted with 0.5 mL of water the protein is in 0.01 M Tris, 0.001 M Na₂EDTA at pH 7.5.

Storage/Shipping Requirements


Store at 5 ± 3 °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 powder After reconstitution: clear, colorless, and particulate free
Purity	SDS-PAGE / GELS.018 v18	Non-reduced: 95% purity Reduced: 95% purity %Nicked: 1.9%
	Native (Nondenaturing) Gel / GELS 008 v05	90.8% purity
	OD Measurement / ASSAY.060 v07	A ₂₈₀ /A ₂₆₀ : 1.26 A ₃₂₀ : 0.0016
	Endotoxin / ASSAY.092 v07	2.64 EU/mg
Identity	Immunodiffusion / ASSAY.019 v05	Lowest concentration of toxin at which immunoprecipitation was observed: 31.3 µg/mL
Activity	Vero Cell Assay / ASSAY.139 v01	Cell Cytotoxicity CC ₅₀ = 2.91 pg/mL

Quality Control:  Date: 01/22/2025

Production:  Date: 01/22/2025