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CERTIFICATE OF ANALYSIS
Epsilon Toxin from *C. perfringens*
Lot #1261A1A

Contents

Each vial contains 100 µg of Epsilon Toxin from *C. perfringens*. When reconstituted with 0.2 ml of water, the buffer contains 1X PBS, pH 7.4. **Handle product gently; do not vortex.**

Concentration

A modification of the Lowry method, using bovine serum albumin as the standard, is used to determine the protein concentration.

Purity

When examined on 4-12% SDS-PAGE, this protein migrates as a single major band with an apparent molecular weight of 30,000 Dalton. Densitometric analysis estimates the purity of the product as >95%.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is <20 EU/mg.

Activity

Cytotoxicity testing on MDCK cells indicates a CT₅₀ (half maximal effective concentration¹) of <8.5 ng/mL. Since each cell type exhibits a different sensitivity, testing a range of toxin concentrations is highly recommended.

Packaging and Storage

This product is packaged aseptically, lyophilized, and 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

FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.

Reference

1. McClain. M., Cover. T. (2007) *Infection and Immunity* **75**, 1785-1793.

Production: KO Date: 4/4/19 Management: NS Date: 4/3/19 QA/QC: JC Date: 4/3/19