



LIST BIOLOGICAL LABORATORIES, INC.

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Product #150
Lot #15046A1
Release Date: March 2018
Recommended Retest Date: March 2021

CERTIFICATE OF ANALYSIS
DIPHTHERIA TOXIN from *Corynebacterium diphtheriae*
UNNICKED
Lot #15046A1

Contents

Each vial, when reconstituted to 0.5 ml with water, contains 1 mg of unnicked diphtheria toxin in 0.01 M Tris and 0.001 M EDTA at pH 7.5. **Handle the product gently; do not vortex.**

Attention

Toxicity may vary by lot of toxin. Each laboratory should determine the optimum dosage for each particular application.

Concentration

Protein concentration was determined by absorbance at 280 nm using an extinction coefficient of 1.18 for a 1 mg/ml solution.

Purity

On SDS-PAGE gels run in the presence of a reducing agent, this preparation migrates as a single major band with an apparent molecular weight of 58,000 daltons corresponding to the intact toxin. Bands representing A and B fragments were not observed.

Densitometric analysis estimates the purity of the product as >90%.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is approximately 5 EU/mg.

Packaging/Storage

This preparation is provided as a lyophilized powder that has been stoppered under vacuum. Prior to reconstitution, it should be stored at 2 – 8°C.

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

Production: KD Date: 3-28-18 Management: WFL Date: 3/28/18 QA/QC: WFL Date: 3/28/18

Made in U.S.A.

