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Product #150  
Lot #15047A1  
Release Date: November 2018

**CERTIFICATE OF ANALYSIS**  
**DIPHTHERIA TOXIN from *Corynebacterium diphtheriae***  
**UNNICKED**  
**Lot #15047A1**

**Contents**

Each vial contains 1 mg of Diphtheria Toxin (DT). When reconstituted to 0.5 ml with water, the buffer is 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 >95%.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is approximately 3 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**

QA/QC: kat Date: 03NOV2020

Made in U.S.A.