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Product #149
Release Date: Aug, 2012
Recommended Retest: Aug, 2015

CERTIFICATE OF ANALYSIS
DIPHThERIA TOXIN CRM₁₉₇ MUTANT
Lot #14935A1

Content

Each vial contains 1 mg of Diphtheria Toxin CRM₁₉₇ Mutant. When reconstituted with 0.5 mL water the protein is in 10 mM sodium phosphate with 5% lactose, pH 7.4. **Handle the product gently, do not vortex.**

Concentration

Protein concentration is determined by a modification of the method of Bradford¹, using bovine serum albumin as the standard.

Purity

This preparation migrates as a single major band when analyzed by PAGE under nondenaturing conditions.

When examined on SDS-PAGE, this preparation migrates as a single major band with an apparent molecular weight of 58,000 daltons which corresponds to the intact toxin. Densitometric analysis estimated the purity of the product as >90%.

The absorbance ratio (OD₂₆₀/OD₂₈₀) is <0.6.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is 2 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. Following reconstitution with water, unused toxin may be frozen in aliquots and stored at -20°C. NOTE: Repeated freezing and thawing or maintaining the preparation at 2-8°C for extended periods of time are not recommended.

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 when handling lyophilized material.

This product is intended for research purposes only. 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.

References

1. Bradford, M.M. (1976) *Anal. Biochem.* **72**, 248-254.

Production: KO Date: 9-22-2014 Management: NS Date: 9-22-14 QA/QC: GP Date: 9/22/2014

Made in U.S.A. 