



CERTIFICATE OF ANALYSIS
DIPHTHERIA TOXIN CRM₁₉₇ MUTANT
Lot #14936A1

Content

Each vial contains 0.5 mg of Diphtheria Toxin CRM₁₉₇ Mutant. When reconstituted with 0.25 mL water, the buffer is 0.01 M sodium phosphate with 5% lactose, pH 7.4. **Handle the product gently, do not vortex.**

Concentration

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

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 0.7.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is <50 EU/mg.

Packaging/Storage

This product is provided as an aseptically packaged lyophilized powder, sealed 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.

Production: KS Date: 11-27-17 Management: NS Date: 4/27/17 QA/QC: ELP Date: 11/27/17