

CERTIFICATE OF ANALYSIS
Diphtheria Toxoid
(formaldehyde inactivated diphtheria toxin)
Lot #1518A1

Contents:

Each vial, when reconstituted with 1.0 ml of sterile distilled water, contains 0.5 mg of diphtheria toxoid in 0.01 M sodium phosphate, pH 7.5, containing 0.1 mg/ml sorbitol.

Concentration:

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

Toxicity:

This product is produced from diphtheria toxin by inactivation with formaldehyde. The resulting toxoid is essentially nontoxic when tested by measuring the effect of the toxoid on cell viability with Chinese Hamster Ovary (CHO) cells.

Packaging and Storage:

Diphtheria toxoid is supplied as a lyophilized powder. Store at 4°C prior to reconstitution. Following reconstitution, aliquot and freeze. Do not exceed one freeze-thaw cycle.

Handling:

Good laboratory technique should be employed in the safe handling of this product. This requires observing the following practices:

1. **Wear appropriate laboratory attire including a lab coat, gloves and safety glasses.**
2. **Do not mouth pipette, inhale, ingest or allow to come into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product.**

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3. **Avoid accidental autoinoculation by exercising extreme care when handling in conjunction with any injection device.**
4. **This product is intended for research purposes by qualified personnel 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.

Approved: AT Date: 10/23/06 Approved: KA Date: 10/23/06