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# CERTIFICATE OF ANALYSIS CHOLERA TOXIN B SUBUNIT-BIOTIN CONJUGATE (BB) Lot #11211A1

#### Contents:

When reconstituted with 400  $\mu$ l of water, each vial contains 0.2 mg of protein in 0.01 M sodium phosphate, pH 7.5.

#### Concentration:

Determined by the extinction at 280 nm.

### Preparation:

Biotinylated cholera toxin B subunit (BB) is prepared by conjugating the B subunit of cholera toxin (choleragenoid) to N-hydroxysuccinimi-dobiotin by a modification of the method of Bayer *et al.*<sup>1</sup>

#### Assay Results:

When compared to a standard solution of B subunit at the same protein concentration, B-Biotin exhibits comparable ganglioside binding activity in a hemagglutination assay. In immunodiffusion studies, B-Biotin shows comparable immunoprecipitation to unbiotinylated standard when reacted against a specific antiserum to B subunit.

#### Packaging/Storage:

This product is provided as a lyophilized powder which has been stoppered under vacuum. Store at 4°C prior to and following reconstitution.

#### **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.

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- 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.
- 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.

#### References:

1.	Bayer, E.A.,	Skutelsky,	E. and	Wilchek,	M.	(1979)	Methods	Enzymol.	62,
	308-315.								

Approved:	KA	Date: 5/26/06	Approved:	201	_ Date:_	6/30/04