list labs
540 Division Street, Campbell, California 95008-6906
Tel. (408) 866-6363 Fax (408) 866-6364
www.listlabs.com

# Certificate of Testing

## PERTUSSIS TOXIN from *Bordetella pertussis*, Lyophilized in Buffer

**Prod. No:** 180 **Lot Number:** 180248A1

**Date of Manufacture** 26 September 2024 **FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

**Contents**

Each container holds 50 µg of lyophilized pertussis toxin (PT) from *Bordetella pertussis* in 0.01 M sodium phosphate, 0.05 M sodium chloride, pH 7.0 when reconstituted with 0.5 mL water. **Do not sterile filter, as this will result in loss of material. Handle the product gently. Do not vortex.**

**Storage/Shipping Requirements**

Store at 5 ± 3 °C. This product is provided as an aseptically packaged lyophilized powder, sealed under vacuum. Ship material at ambient temperature.

**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.

The 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.

| Attribute | Test Method ID/Version | Results |
|---|---|---|
| **Appearance** | Physical Appearance / ASSAY.063 v05 | Before reconstitution: uniform white powder<br>After reconstitution: uniform suspension, particulate free |
| **Purity** | SDS-PAGE / GELS.018 v18 | Non-Reduced: 5 distinct bands with 99.4% purity<br>Reduced: 5 distinct bands with 99.1% purity |
| | Endotoxin / ASSAY.092 v07 | 1470 EU/mg |
| **Activity** | CHO Cell Assay / ASSAY.141 v01 | Lowest concentration of toxin at which a positive response was obtained: 0.003 ng/mL |

**NOTE: Toxicity may vary by lot of toxin. Each laboratory should determine the optimum dosage for each lot in a particular application.**

**Activation**

Please note that this product is not activated. If your system requires activation, see Kaslow, H.R., Lim, L.K., Moss, J. and Lesikar, D.D. (1987) *Biochem.* 26, 123 -127.

Quality Control: _____ Date: 11/06/2024

Production: Isabel Christen Date: 11/06/2024



Made in U.S.A.