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## Certificate of Testing

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

Prod. No: 180 Lot Number: 180253A1

Date of Manufacture 06 February 2026

**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 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   | Pass / Fail |
|------------|--------------------------------------|---|-------------|
| Appearance | Physical Appearance / ASSAY.063 v6.0 | Before reconstitution: uniform white powder<br>After reconstitution: uniform suspension, particulate free | Pass        |
| Purity     | SDS-PAGE / GELS.018 v19.0            | Non-Reduced: 5 distinct bands with 100% purity<br>Reduced: 5 distinct bands with 100% purity              | Pass        |
|            | Endotoxin / ASSAY.092 v7.0           | 1090 EU/mg  | N/A         |
| Activity   | CHO Cell Assay / ASSAY.141 v1.0      | Lowest concentration of toxin at which a positive response was obtained:<br>0.003 ng/mL                   | Pass        |

**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: 19 Feb 2026

Production:  Date: 02/20/2026