



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

Certificate of Testing

Pertussis Toxin (in Glycerol)

Prod. No: 179A Lot Number: 179244A1

Date of Manufacture 11 January 2023 **FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

Contents

Each container holds 50 µg of Pertussis Toxin in 50% glycerol, 0.05 M Tris, 0.01 M glycine, 0.5 M NaCl, pH 7.5, at a concentration of 0.2 mg/mL. Mix gently prior to use to ensure a uniform suspension. **Do not sterile filter, as this will result in loss of material. Handle the product gently. Do not vortex.**

Storage/Shipping Requirements

Store at -20 ± 5°C. This product is provided as an aseptically packaged liquid, sealed under vacuum. Ship on blue ice.

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	Uniform suspension, particulate free
Purity	SDS-PAGE / GELS.018 v18	Non-Reduced: 5 distinct bands with 97% purity Reduced: 5 distinct bands with 96% purity
	Endotoxin / ASSAY.092 v05	14,950 EU/mg
Activity	CHO Cell Assay / ASSAY.141 v01	Lowest concentration of Pertussis Toxin that causes cell clustering: 0.01 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 Manager: _____ Date: 02/17/2023

Production: Ladd Christen Date: 02/17/2023