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Product #187

CERTIFICATE OF ANALYSIS  
PERTACTIN (69 kDa Protein) from  
*Bordetella pertussis*  
Lot #1872A1

**Contents**

Each vial, when reconstituted with 500  $\mu$ l of water, contains 50  $\mu$ g of purified native Pertactin (69 kDa Protein) from *Bordetella pertussis* in 5 mM HEPES, 150 mM NaCl, 1.25% Trehalose, pH 7.5. **Handle the product gently, do not vortex.**

**Concentration**

Protein concentration is determined by the Bradford method<sup>1</sup> using bovine serum albumin as the standard.

**Purity/Identity**

When examined on a 4-12% SDS-polyacrylamide gel, this protein migrates as a single major band with an apparent molecular weight of 69,000 Da. Densitometric analysis indicates that the purity is >95%.

In Western Blot assays, this product reacts with anti-Pertactin antibodies.

**Toxicity**

Pertactin is not known to be toxic and is a component of several acellular pertussis vaccines in the amount of up to 8  $\mu$ g per injection.<sup>2</sup>

**Packaging/Storage**

This product is supplied as a lyophilized powder sealed under vacuum. Store at 2-8°C prior to reconstitution.

**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. Nitrile gloves are recommended for use when handling lyophilized material.

(continued)

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. Bradford, M.M. (1976) *Anal. Biochem.* **72**, 248-254.
2. Poolman, J.T. and Hallander, H.O. (2007) *Expert Rev. Vaccines* **6**, 47-56.

Production: KD Date: 6/19/12 Management: NS Date: 6/26/12 QA/QC: CGP Date: 6/26/12