

Native Bordetella Pertussis Toxin

Cat. No. BOP-022 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Bordetella pertussis toxin has been developed in response to increasing pressure on the IVD industry to supply highly specific, cost-effective antibody capture systems, which are needed for monitoring vaccination programmes. FHA, a major cause of false results, is removed from the preparation by two rounds of chromatography. Bordetella pertussis is grown in batch culture, then the supernatant harvested and concentrated. Several rounds of chromatography are used to purify the native toxin to a very high level and with minimal lot-to-lot variation. CHO cell assays demonstrate a clustering concentration of between 0.01 and 0.005 ng/mL. The toxin is offered in lyophilized format, but is also produced in glycerol or liquid formulation depending on customer desire. Our PT-TNL-50 vials are a major seller to academic labs seeking to use pertussis toxin as a research reagent, and are also sold through large worldwide distributors. For bulk quantities up to 100mg, we offer a liquid version of the toxin which saves the need for resuspension and also performs maximally in ELISA plate and IVD kit format.

Purity

>98% pure by SDS-PAGE:migrates as five distinct bands(two doublets) when run under denaturing polyacrylamide SDS-urea gels.

Reconstitution

Reconstitution of one vial with 0.5 mL distilled water will give a solution containing 50 µg of pertussis toxin,0.05M sodium phosphate and 0.5M sodium chloride at pH 7.2.

Storage

Store at 2-8 centigrade when lyophilised or resuspended. Use within 1 month.

Concentration

0.1 mg/mL

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Notes	This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
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Type	Native
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ClassID 1	Infectious Disease
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GENE INFORMATION

Synonyms	Bordetella Pertussis Toxin
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