

## Certificate of Analysis

**Name:** Bordetella pertussis Filamentous Hemagglutinin (FHA)

**Product Code:** BP-FHA-100

**Batch #:**

**Date of Manufacture:**

**Product Description:** Purified FHA from B. pertussis. This product is present as 95% in its original 220 kDa form, with 5% in the reported breakdown products of 140 kDa and 90 kDa.

**Strain/Isolate:** NC10739/ACTC 9797

**Amount:** 0.1 mg

**Concentration:** 0.4 mg/ml (if reconstituted as below)

**Purity:** >98% pure by SDS-PAGE

**Presentation:** Lyophilised

**Buffer:** Reconstitution of one vial with 250 µl distilled water will give a solution containing 100µg of FHA in 0.05M tris-HCl and 0.5M sodium chloride at pH 8, 5% sucrose.

### Usage Guidelines

**Storage:** +4°C

**General:** Vortex for 1 minute after reconstitution to ensure homogenous solution as protein is very sticky.

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QC

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QA

**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**