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## Product Data Sheet

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Product Name: Y.Enterocolitica (O:9) YopB  
Cat. No.: GP25031  
Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Sf9, Baculovirus cells. |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Protein YopD; pYV0054.  |                    |                         |
| Formulation         | Y.Enterocolitica (O:9) YopB is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol. |                    |                         |

### Introduction

Gastroenteritis which has been identified as caused by Yersinia Enterocolitica has been discovered by virulent isolates of the bacteria. During infection, pores are being formed in the presence of adapter protein Yersiniosis. YopB's Interaction with the target membrane to form pores enables the entrance of YopE effectors to the cytoplasmic space of the host's cell.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

### Background

Recombinant Yersinia Enterocolitica (O:9) YopB produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain having a calculated molecular mass of 43kDa. Y.Enterocolitica (O:9) YopB is expressed with a -10x His tag at N-terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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