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## **Salmonella enteritidis H Antibody Blocking Peptide**

Catalog Number: bs-8670P

Activity: Not tested

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: bs-8670P is one synthetic peptide derived from SALEP of Salmonella enteritidis H.

The genus Salmonella is a member of the family Enterobacteriaceae. The genus is composed of Gram-negative bacilli that are facultative and flagellated (motile). Salmonellae possess 3 major antigens; the "H" or flagellar antigen (phase 1 & 2), the "O" or somatic antigen (part of the LPS moiety) and the "Vi" or capsular antigen (referred to as "K" in other Enterobacteriaceae). Salmonellae also possess the LPS endotoxin characteristic of Gram-negative bacteria. This LPS is composed of an "O" polysaccharide ("O" antigen) an "R" core and the endotoxic inner "Lipid A". Endotoxins evoke fever and can activate complement, kinin and clotting factors. The commonest Salmonella serotype associated with food borne infections in humans is Salmonella enteritidis and in particular phage type 4 (PT4). Salmonella Enteritidis bacteria may be found in the intestinal tracts of livestock, poultry, dogs, cats and other warm-blooded animals. This strain is only one of about 2,000 kinds of Salmonella bacteria; it is often associated with poultry and eggs.