



### Polyclonal Antibody to *Clostridium perfringens* (Enterotoxin B) - Serum

<b>Catalog No.:</b>	BP1016
<b>Quantity:</b>	0.5 ml
<b>Background:</b>	<p><i>Clostridium perfringens</i> is an anaerobic, Gram positive bacterium widely found in soil and the intestinal tract of vertebrates. It is responsible for three clinical syndromes, including gas gangrene, enteritis necroticans (pig-bel), and food poisoning. At least 12 toxins are produced by <i>C. perfringens</i>, including 4 lethal toxins, hemolysins, proteases, neuraminidase, and enterotoxin. The ability of individual strains to produce the 4 lethal toxins forms the basis for a classifications scheme that divides the species into five types; A to E.</p> <p><i>Clostridium perfringens</i> beta toxin is one of the lethal toxins of <i>Clostridium perfringens</i>. It shares sequence homology with the pore-forming <i>Staphylococcus aureus</i> Alpha-toxin, <i>Staphylococcus aureus</i> Gamma-toxin, and <i>Staphylococcus aureus</i> leukocidin.</p>
<b>Host:</b>	Sheep
<b>Immunogen:</b>	Native Culture filtrates of <i>C. perfringens</i> Type B/C, strains CN1240 and CN3424 (active toxin - Lf: 475 µ/ml, L+: 235 µ/ml).
<b>Format:</b>	<b>State:</b> Liquid Serum without preservatives.
<b>Applications:</b>	<b>ELISA.</b> <b>Toxin Binding Inhibition Assay (TOBI).</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects <i>Clostridium perfringens</i> . <b>Species:</b> Bacteria. Other species not tested.
<b>Storage:</b>	Store the antibody at -20°C. Ship at 2-8°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.