Creative Enzymes®

Native Clostridium tetani Tetanolysin

Cat. No. NATE-0693

Lot. No. (See product label)

Introduction

Description	Tetanolysin is a toxin produced by Clostridium tetani bacteria. Its function is unknown but it is believed to contribute to the pathogenesis of tetanus. The other C. tetani toxin, tetanospasmin, is more definitively linked to tetanus. Tetanolysin belongs to a family of protein toxins known as cytolysins which bind to cholesterol. Cytolysins form pores in the cytoplasmic membrane that allows for the passage of ions and other molecules into the cell. The molecular weight of tetanolysin is approximately 55 kDa daltons.
Applications	Tetanolysin has been used to analyze the formation of lytic pores in red blood cells (RBCs). It has also been used to permeabilize infected RBCs.
Synonyms	Tetanolysin

Product Information

Source	Clostridium tetani
Form	lyophilized powder containing sodium chloride and sodium acetate
Molecular Weight	55 kDa
Buffer	When reconstituted with 100 µl of sterile water the concentration is 1 µg/µl in 40 mM sodium phosphate buffer, pH 7.2, containing 200 mM NaCl.

Storage and Shipping Information

Storage	2-8°C