CPB Toxoid
Datasheet, Version 2/2016

Catalog # 1264
Synonyms Clostridium perfringens toxin beta
Type Recombinant
Source E. coli
Species Clostridium perfringens
Tag GST
Form Liquid

Purity >95% by SDS PAGE
Shipping Ice pack

Introduction
Genetically modified nontoxic form of Clostridium perfringens toxin beta-2. Produced as toxoid with identical antigenic response as wild-type toxin in E. coli as recombinant GST-fusion protein.

Description
Clostridium perfringens beta toxin is a necrotizing agent and it induces hypertension by release of catecholamine. It is produced by Clostridium perfringens Type B and Type C strains. Beta toxin is susceptible to proteolytic cleavage particularly by trypsin, and is therefore highly lethal to infant mammals due to trypsin inhibitors presence in the colostrum.

Application
ELISA, Western blot, vaccine development and testing

Purification method
Affinity chromatography

Formulation
PBS solution 1 mg/ml, contains 10 mM glutation.

Storage
-80°C

For research use only. Not for use in diagnostic procedures.