

**Beta Toxin, from *Clostridium perfringens***

**Catalog No. NR-10359**

This reagent is the property of the U.S. government.

**Product Description:** Beta toxin (CPB) was purified from culture supernatants of *C. perfringens* type C, strain CN3685 using ion exchange chromatography.

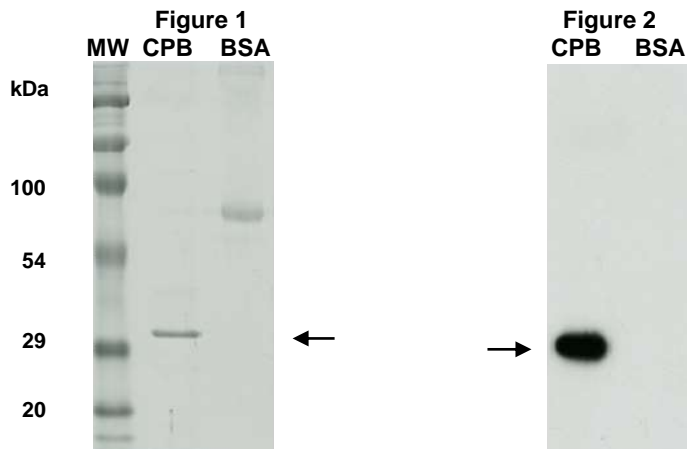
**Lot: 58338400**

**Manufacturing Date: JUN2008**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear and colorless	Clear and colorless
<b>SDS-PAGE (Coomassie blue densitometer scan)</b>	Dominant band ~ 35 kDa > 95% pure	Dominant band ~ 35 kDa > 95% pure (Figure 1)
<b>Concentration by Lowry Assay using BSA Standard</b>	Report results	0.4 mg per mL
<b>Functional Activity</b> Western Blot (Figure 2) <sup>1</sup> NR-10359 BSA control	Reactive Nonreactive	Reactive Nonreactive
<b>Cytotoxicity using Caco-2 Cells<sup>2</sup></b>	Report results	CD <sub>50</sub> = 2 µg per well
<b>Absorbance Ratio (OD<sub>280</sub>/OD<sub>260</sub>)</b>	Report results	1.041

<sup>1</sup>Using monoclonal antibody to CPB kindly provided by Dr. P. Hauer

<sup>2</sup>LIVE/DEAD Viability/Cytotoxicity Kit \* for mammalian cells\* (Molecular Probes™ #MP 03224); 4 hours at 37°C



**Date:** 25 JAN 2010

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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