

**Product:** Anti-Toxins of *Clostridium perfringens*  
**Catalog #:** 13-2373  
**Amount:** 100 ml

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**CATEGORY:**  
**IMMUNOGEN:**

**Sheep Polyclonal**  
Culture filtrates of *Clostridium perfringens*  
Type B/C, strains CN1240 and CN3424 –  
active toxin – Lf: 475 U/ml, L+: 235 U/ml  
Neat antisera

**FORM:**  
**ASSAY SYSTEMS:**

***In-Vitro :***  
Toxin Binding Inhibition Assay (TOBI) for  
titration of anti- $\beta$  activity in sera. Dilution's  
of serum are premixed and incubated with a set  
concentration of beta toxin. Aliquots are then  
transferred to an ELISA plate, pre-sensitised with  
an anti- $\beta$  monoclonal. Unbound  $\beta$  toxin binds to  
the capture monoclonal and a polyclonal anti- $\beta$   
rabbit serum is added to attach to the bound  $\beta$  toxin.  
The ELISA stack is completed with the addition  
of an anti-rabbit IgG peroxidase conjugate employing  
tetramethylbenzidine (TMB) as the chromogenic  
substrate. The reference results are used to plot a  
standard curve of Optical Density against Units/ml.  
The unitage of the test samples are extrapolated from  
this standard curve by reading off the result and  
multiplying by the dilution.

***Results:***

Lots show of neutralization titers from 1:400 - 1:3,000 U/ml

***In-Vivo:***

Assays performed as per the standard Pharmacopoeia tests.

***Results:***

Typically:	Mouse lethal	2357 $\beta$ U/ml
	Guinea pig intradermal	2040 $\beta$ U/ml

**STORAGE:**

2-8°C for immediate use, or at -20°C (aliquot)

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