

Certificate of Analysis

Name: Diphtheria toxin

Product number: DIP-TNL-1000

Batch: 17083114

Description: Purified diphtheria toxin from *Corynebacterium diphtheria* strain NCTC 10648

Purity: >98% pure by SDS-PAGE; one major band at 58kDa corresponding to intact toxin when run under reducing conditions on SDS-PAGE.

Amount: 1000 ug

Presentation: Lyophilised

Reconstitution: Each vial, when reconstituted to 0.5 mL with sterile distilled water, contains 1 mg of diphtheria toxin in 0.01 M Tris pH 7.5 and 0.001 M Na₂EDTA

It is recommended that the 0.5ml of water be added to the vial via a needle and syringe through the rubber closure. Following mixing material can then be removed and stored in aliquots as required. Do not open the vial and weigh out lyophilised material.

Activity: This batch has been tested using *in vivo* depletion of DT receptor /FOXP3+ve cells. >95% depletion of cells is seen with an intraperitoneal dose of 3 x 15ug/kg

Note: For *in vitro* applications the Diphtheria toxin may require activation with a protease enzyme. Please contact us for details and an example protocol.

Storage: Store at 2-8°C when lyophilised. Following reconstitution store in aliquots at -80C, or use within 1 month if kept at +4C. Avoid freeze/thawing.



QC Officer

30 - APR - 2018

Date

