

Certificate of Analysis

Name: Diphtheria Toxin

Product Code: DIP-TNL-1000

Batch #: 25050714

Date of Manufacture: 09-MAY-2025

Product Description: Purified diphtheria toxin from *Corynebacterium diphtheriae*.

Strain/Isolate: NCTC10648

Amount: 1.0 mg

Concentration: 2.0 mg/ml

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

Presentation: Lyophilised

Concentration after 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.

Activity: This batch has been tested in a CHO cell in vitro cell cytotoxicity assay, demonstrating 100% cell death at a concentration of 10ng/ml. Performance in this assay was identical to that of a reference standard batch (MKCK6150).

Usage Guidelines

General: Store at +4 when lyophilised or resuspended. Use within 1 month after resuspension.

17/03/2026

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QC

Signed by: Samantha.Mathieson@lgcgroup.com

QA

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Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

