

## Certificate of Analysis

**Name:** Clostridium Difficile Toxoid A

**Product Code:** CDA-TDL-50 / CDA-TDL-100 / CDA-TDL-500

**Batch #:**

**Date of Manufacture:**

**Product Description:** Native toxin A purified from C. difficile strain VPI10463 (toxintype 0), converted to inactive toxoid form.

**Strain/Isolate:** VPI10463

**Inactivation:** Inactivated using formaldehyde. No cell rounding in the sensitive verocytotoxicity assay at 2µg/ml compared to active toxin lethal dose of 0.2ng/ml.

**Amount:** 0.05 mg / 0.1 mg / 0.5 mg

**Concentration:** mg/ml

**Purity:** >95% pure by SDS-PAGE

**Presentation:** Lyophilised. Bubbly/glassy residue due to lyophilisation in 5% sucrose to increase product stability

**Buffer:** Contents when reconstituted in 250µl sterile distilled water will contain: Toxoid A at a concentration of 0.4mg/ml in 0.05M Hepes, 0.15M NaCl and 5% sucrose.

### Usage Guidelines

**Shipping:** Ambient

**Storage:** Lyophilised vial: +4°C  
Reconstituted liquid: +4°C

**Stability:** Lyophilised vial: 1 year after date of receipt  
Reconstituted liquid: 1 month

**Freezing:** Reconstituted liquid can be frozen at -80°C to extend stability to 1 year; however every freeze/thaw cycle will cause increased aggregation. Avoid multiple freeze/thaw cycles and multiple temperature fluctuations.

**Mixing:** Swirl or pipette gently to mix. Vortexing promotes aggregation.

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