

### Certificate of Analysis

**Name:** *Clostridium difficile* Toxin A from ribotype 027

**Product code:** R27-TNA-10

**Batch #:** 8104

**Description:** Native toxin A purified from *C. difficile* strain R20291 (Stoke Mandeville) ribotype 027

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

**Presentation:** Lyophilised

#### Resuspension instructions

Contents when reconstituted in 61  $\mu$ l sterile distilled water will contain 10.126  $\mu$ g toxin A in 0.05M Hepes pH 7.4, 0.15M NaCl and 5% sucrose at a concentration of 166  $\mu$ g/ml

#### Usage guidelines

**Storage:** Lyophilised vial: +2°C to +8°C

Reconstituted liquid: +2°C to +8°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.

Saeed Peruzi      11-Jun-2016  
QC Officer                      Date

