

## Certificate of Analysis

**Name:** Cryptosporidium Parvum Oocysts

**Product Code:** NAT41659-100 / NAT41659-500

**Batch #:**

**Date of Manufacture:**

**Description:** Cryptosporidium parvum oocysts were purified from the faeces of experimentally infected calves using density gradient centrifugation and repeated washing.

**Sequence Strain:** Iowa

**Health and Safety:** The product has been heat inactivated at 80°C for 20 minutes. This exceeds the temperature required to completely inactivate Cryptosporidium oocysts<sup>1</sup>. It should be handled with appropriate safety precautions for biological materials.

**Amount:**  $1 \times 10^6$  oocysts (approx. 0.1 mg) /  $5 \times 10^6$  oocysts (approx. 0.5 mg); *where dry weight of  $1 \times 10^7$  oocysts is estimated to be 1.0 mg.*

**Presentation:** Liquid

**Buffer:** Phosphate buffered saline

### Usage Guidelines

**Short Term Storage:** -80°C

**Long Term Storage:** -80°C

**General:** Mix by vortexing

**Freezing:** Can be frozen. Avoid multiple freeze-thaw cycles.

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<sup>1</sup> Fayer R. Effect of high temperature on infectivity of Cryptosporidium parvum oocysts in water. Appl Environ Microbiol. 1994;60(8):2732-2735. doi:10.1128/aem.60.8.2732-2735.1994

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