

## Certificate of Analysis

**Name:** Giardia Lamblia Cysts

**Product Code:** NAT41660-100 / NAT41660-500

**Batch #:**

**Date of Manufacture:**

**Product Description:** Giardia lamblia cysts were purified from the faeces of experimentally infected gerbils using density gradient centrifugation and repeated washing.

**Strain/Isolate:** H3

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

**Amount:**  $2 \times 10^5$  cysts (approx. 0.1 mg) /  $1 \times 10^6$  cysts (approx. 0.5 mg); *where dry weight of  $2 \times 10^6$  cysts 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, but 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.**