

Certificate of Analysis

Name: Cryptosporidium Parvum Oocysts

Product Code: NAT41659-100 / NAT41659-500

Batch #: 24031114

Date of Manufacture: 12-MAR-2024

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 oocysts¹. It should be handled with appropriate safety precautions for biological materials.

Amount: 1×10^6 oocysts (approx. 0.1 mg) / 5×10^6 oocysts (approx. 0.5 mg); *where dry weight of 1×10^7 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.

¹ 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

20/03/2025

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