

Genomic DNA from *Cryptosporidium meleagridis*, Isolate TU1867

Catalog No. NR-2521

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Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

Genomic DNA was isolated from a preparation of *Cryptosporidium meleagridis*, isolate TU1867.

Oocysts were produced in calves, concentrated from feces and purified using a standard protocol including salt flotation and bleach treatment. To minimize contamination, Nycodenz and CsCl gradient centrifugation was also performed. Oocysts were excysted in dilute taurocholic acid. Sporozoites and/or oocysts were pelleted and resuspended in lysis buffer prior to genomic DNA isolation.

Material Provided:

Each vial contains approximately 100 ng of genomic DNA in TE buffer. The vial should be centrifuged prior to opening. The concentration in ng per μ L is shown on the Certificate of Analysis.

Packaging/Storage:

NR-2521 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Cryptosporidium meleagridis*, Isolate TU1867, NR-2521."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm.

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References:

1. Akiyoshi, D. E., et al. "Characterization of *Cryptosporidium meleagridis* of Human Origin Passaged through Different Host Species." Infect. Immun. 71 (2003): 1828–1832. PubMed: 12654797.
2. Huang, K., D. E. Akiyoshi, X. Feng, and S. Tzipori. "Development of Patent Infection in Immunosuppressed C57Bl/6 Mice with a Single *Cryptosporidium meleagridis* Oocyst." J. Parasitol. 89 (2003): 620–622. PubMed: 12880270.

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