

Genomic DNA from *Cryptosporidium hominis*, Isolate TU502

Catalog No. NR-2520

This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Contributor:

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

Product Description:

Genomic DNA was isolated from a preparation of *Cryptosporidium hominis*, isolate TU502.

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-2520 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 hominis*, Isolate TU502, NR-2520."

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.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human or animal use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC[®] nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC[®] nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC[®] and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC[®], their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

- Xu, P., et al. "The Genome of *Cryptosporidium hominis*." Nature 431 (2004): 1107–1112. PubMed: 15510150.
- Morgan-Ryan, U. M., et al. "*Cryptosporidium hominis* n. sp. (Apicomplexa: Cryptosporidiidae) from *Homo sapiens*." J. Eukaryot. Microbiol. 49 (2002): 433–440. PubMed: 12503676.
- Girouard, D., et al. "Failure to Propagate *Cryptosporidium* spp. in Cell-Free Culture." J. Parasitol. 92 (2006): 399–400. PubMed: 16729703.

ATCC[®] is a trademark of the American Type Culture Collection.