

Genomic DNA from *Encephalitozoon cuniculi*, Strain CDC:V282

Catalog No. NR-13510

For research use only. Not for human use.

Contributor:

Centers for Disease Control and Prevention, Atlanta, Georgia, USA

Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Encephalitozoon cuniculi* (*E. cuniculi*), strain CDC:V282 which was obtained from urine collected from an AIDS patient in Colorado, USA in 1993.¹

E. cuniculi, strain CDC:V282 was deposited to the ATCC® by G. S. Visvesvara of the CDC. *E. cuniculi*, strain CDC:V282 is genotype III based on PCR analyses of ITS [internal transcribed spacer of the ribosomal RNA (rRNA) gene], PTP (polar tube protein) and SWP-1 (spore wall protein-1).²

NR-13510 has been qualified for PCR applications by amplification of approximately 1200 base pairs of the 18S ribosomal RNA.

Material Provided:

Each vial contains 2 to 3 µg of dried genomic DNA. The contents of the vial should be rehydrated with molecular grade water or TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.4). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-13510 was packaged aseptically, in screw-capped plastic cryovials. The product is provided dried and should be stored at 4°C upon arrival. Following rehydration the product should be stored at -20°C or colder. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Encephalitozoon cuniculi*, Strain CDC:V282, NR-13510."

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. 5th ed.

Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

Disclaimers:

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References:

1. De Groote, M. A., et al. "Polymerase Chain Reaction and Culture Confirmation of Disseminated *Encephalitozoon cuniculi* in a Patient with AIDS: Successful Therapy with Albendazole." *J. Infect. Dis.* 171 (1995): 1375-1378. PubMed: 7751721.
2. Xiao, L., et al. "Genotyping *Encephalitozoon cuniculi* by Multilocus Analyses of Genes with Repetitive Sequences." *J. Clin. Microbiol.* 39 (2001): 2248-2253. PubMed: 11376065.

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