

Genomic DNA from *Balamuthia mandrillaris*, Strain CDC:V188

Catalog No. NR-50145

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Contributor:

Govinda S. Visvesvara, Ph.D., and Michael Arrowood, Ph.D., Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases, Division of Foodborne, Waterborne and Environmental Diseases, Waterborne Disease Prevention Branch, Atlanta, Georgia, USA

Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from *Balamuthia mandrillaris* (*B. mandrillaris*), strain CDC:V188. *B. mandrillaris*, strain CDC:V188 was isolated in 1996 from the brain of a 59-year-old male in Georgia following a traumatic leg amputation and skin abscess and was originally identified as a leptomyxid amoeba.^{1,2,3}

NR-50145 has been qualified for PCR applications by amplification of approximately 2,500 base pairs of the *B. mandrillaris* 18S ribosomal RNA gene.

Material Provided:

Each vial of NR-50145 contains 0.2 to 3.5 µg of genomic DNA in 10 mM TrisCl, 1 mM EDTA, pH 7.5. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50145 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder upon arrival. 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 *Balamuthia mandrillaris*, Strain CDC:V188, NR-50145."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Gordon, S. M., et al. "Culture Isolation of *Acanthamoeba* Species and Leptomyxid Amebas from Patients with Amebic Meningoencephalitis, Including Two Patients with AIDS." *Clin. Infect. Dis.* 15 (1992): 1024-1030. PubMed: 1457633.
2. Schuster, F. L. and G. S Visvesvara. "Axenic Growth and Drug Sensitivity Studies of *Balamuthia mandrillaris*, an Agent of Amoebic Meningoencephalitis in Humans and Other Animals." *J. Clin. Microbiol.* 34 (1996): 385-388. PubMed: 8789020.
3. Booton, G. C., et al. "Genotyping of *Balamuthia mandrillaris* Based on Nuclear 18S and Mitochondrial 16S rRNA Genes." *Am. J. Trop. Med. Hyg.* 68 (2003): 65-69. PubMed: 12556151.

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