

Genomic DNA from *Leishmania major*, Strain NIH SD (MHOM/SN/74/SD)

Catalog No. NR-48764

For research use only. Not for human use.

Contributor and Manufacturer:

BEI Resources

Product Description:

Genomic DNA was isolated from *Leishmania major*, strain NIH SD (MHOM/SN/74/SD), which is a wild-type strain that was isolated in 1973 from a human patient with cutaneous leishmaniasis in Senegal, West Africa.¹⁻³

NR-48764 has been qualified for PCR applications by amplification of approximately 1600 base pairs of the 18S ribosomal RNA gene and internal transcribed spacer (ITS) 1.

Material Provided:

Each vial of NR-48764 contains 1 µg to 3 µg of frozen genomic DNA in TE buffer (10 mM Tris-HCL, 0.5 mM EDTA, pH 9). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-48764 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 *Leishmania major*, strain NIH SD (MHOM/SN/74/SD), NR-48764."

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/bmbl5/index.htm.

Disclaimers:

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References:

1. McMaster, R., Personal Communication.
2. Joshi, P. B., et al. "Targeted Gene Deletion in *Leishmania major* Identifies Leishmanolysin (GP63) as a Virulence Factor." Mol. Biochem. Parasitol. 120 (2002): 33-40. PubMed: 11849703.
3. Neva, F. A., D. Wyler, and T. Nash. "Cutaneous Leishmaniasis – A Case with Persistent Organisms after Treatment in Presence of Normal Immune Response." Am. J. Trop. Med. Hyg. 28 (1979): 467-471. PubMed: 222157.

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