

Genomic DNA from *Leishmania tropica*, Strain NIH RUP (MHOM/AF/87/RUP)

Catalog No. NR-50127

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from *Leishmania tropica* (*L. tropica*), strain NIH RUP (MHOM/AF/87/RUP) (also referred to as MHOM/AF/87/RP)¹, which was isolated in 1997 from the reactive lesion of a patient with cutaneous leishmaniasis in Afghanistan.^{2,3}

NR-50127 has been qualified for PCR applications by amplification of approximately 1200 base pairs of the *L. tropica* internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 region.

Material Provided:

Each vial of NR-50127 contains 1 µg to 3 µg of genomic DNA in buffer. Please refer to the Certificate of Analysis for the specific buffer used for each lot. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50127 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 tropica*, Strain NIH RUP (MHOM/AF/87/RUP), NR-50127."

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. Kamhawi, S., et al. "The Vectorial Competence of *Phlebotomus sergenti* is Specific for *Leishmania tropica* and is Controlled by Species-Specific, Lipophosphoglycan-Mediated Midgut Attachment." *Parasitology* 121 (2000): 25-33. PubMed: 11085222.
2. Sacks, D. L., Personal Communication.
3. McDowell, M. A., et al. "*Leishmania* Priming of Human Dendritic Cells for CD40 Ligand-Induced Interleukin-12p70 Secretion Is Strain and Species Dependent." *Infect. Immun.* 70 (2002): 3994-4001. PubMed: 12117904.

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