

**Genomic DNA from *Leishmania panamensis*, Strain PSC-1 (MHOM/PA/94/PSC-1)**

**Catalog No. NR-50347**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was extracted from *Leishmania panamensis* (*L. panamensis*), strain PSC-1 (MHOM/PA/94/PSC-1), which was isolated in 1994 from an arm skin lesion of a male subject with cutaneous leishmaniasis in Panama.<sup>1,2</sup> The complete genome sequence of *L. panamensis*, strain PSC-1 (MHOM/PA/94/PSC-1) is available (GenBank: [GCF\\_000755165.1](https://www.ncbi.nlm.nih.gov/nuccore/GCF_000755165.1)).

NR-50347 has been qualified for PCR applications by amplification of approximately 1200 base pairs of the *L. panamensis* internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 region.

**Material Provided:**

Each vial of NR-50347 contains 0.5 µg to 3.0 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-50347 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 panamensis*, Strain PSC-1 (MHOM/PA/94/PSC-1), NR-50347."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Leonart, R., Personal Communication.
2. Llanes, A., et al. "The Genome of *Leishmania panamensis*: Insights into Genomics of the *L. (Viannia)* Subgenus." [Sci. Rep.](#) 5 (2015): 8550. PubMed: 25707621.

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