

Genomic DNA from *Biomphalaria glabrata*, Strain BS-90

Catalog No. NR-29375

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Contributor and Manufacturer:

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Product Description:

Genomic DNA was isolated from *Biomphalaria glabrata* (*B. glabrata*), strain BS-90. *B. glabrata*, strain BS-90 is a pigmented laboratory maintained strain which was derived from field isolates in Brazil in the 1960s.¹ Strain BS-90 has shown resistance at any age to infection by *Schistosoma mansoni* (*S. mansoni*). *S. mansoni* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.

Material Provided:

Each vial of NR-29375 contains 10 to 50 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-29375 was packaged in 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 *Biomphalaria glabrata*, Strain BS-90, NR-29375."

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 <http://www.cdc.gov/biosafety/publications/bmb15/index.htm>.

Disclaimers:

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References:

1. Knight, M., et al. "The Identification of Markers Segregating with Resistance to *Schistosoma mansoni* Infection in the Snail *Biomphalaria glabrata*." [Proc. Natl. Acad. Sci USA](#). 96 (1999): 1510-1515. PubMed: 9990054.

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