

## Genomic DNA from *Biomphalaria glabrata*, Strain BB02

### Catalog No. NR-29376

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

#### Contributor and Manufacturer:

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#### Product Description:

Genomic DNA was isolated from *Biomphalaria glabrata* (*B. glabrata*), strain BB02. *B. glabrata* snails were collected from a small stream in an endemic site of transmission of *Schistosoma mansoni* (*S. mansoni*), in the southeast of Brazil, Barreiro, Minas Gerais.<sup>1,2</sup> Offspring of these snails were maintained as a laboratory strain, designated as BB02 (*Biomphalaria* from Belo Horizonte, Minas Gerais, Brazil, 2002). *B. glabrata*, strain BB02 snails were found to be highly susceptible to parasitic infection by LE, SJ and NMRI strains of *S. mansoni*, a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.<sup>1</sup>

#### Material Provided:

Each vial of NR-29376 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-29376 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 BB02, NR-29376."

#### 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/bmbL5/index.htm>.

#### Disclaimers:

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#### References:

1. Adema, C. M., et al. "A Bacterial Artificial Chromosome Library for *Biomphalaria glabrata*, Intermediate Snail Host of *Schistosoma mansoni*." *Mem. Inst. Oswaldo Cruz*. 101 (2006): 167-177. PubMed: 17308766.
2. [Biomphalaria glabrata Genome Initiative](#)

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