

Genomic DNA from *Biomphalaria glabrata*, Strain NMRI

Catalog No. NR-29377

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Contributor and Manufacturer:

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Product Description:

Genomic DNA was extracted from the NMRI strain of *Biomphalaria glabrata* (*B. glabrata*).¹ The *B. glabrata* NMRI strain is an albino snail that is highly susceptible to the NMRI strain of *Schistosoma mansoni* (*S. mansoni*). NMRI snails were derived from a cross between pigmented Puerto Rican (susceptible) snails and Newton's M-line snails. *S. mansoni*, strain NMRI was isolated in the 1940s from *S. mansoni* eggs obtained from infected Puerto Rican school children.²

Material Provided:

Each vial of NR-29377 contains 10 µg to 50 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 0.1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-29377 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 provided by the NIAID Schistosomiasis Resource Center for distribution through BEI Resources, NIAID, NIH: Genomic DNA from *Biomphalaria glabrata*, Strain NMRI, NR-29377."

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.

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References:

1. M. S. Tucker, Personal Communication.
2. Newton, W. L. "The Establishment of a Strain of *Australorbis glabratus* which Combines Albinism and High Susceptibility to Infection with *Schistosoma mansoni*." [J. Parasitol.](#) 41 (1955): 526-528. PubMed: 13264025.

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