

## Total RNA from *Biomphalaria glabrata*, Strain NMRI

### Catalog No. NR-29369

This reagent is the tangible property of the U.S. Government.

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

#### Contributor and Manufacturer:

Michael H. Hsieh, M.D., Ph.D., Stirewalt Endowed Director, Biomedical Research Institute, Rockville, Maryland, USA (NIH-NIAID Contract HHSN272201000051)

#### Product Description:

Total RNA was extracted from the NMRI strain of *Biomphalaria glabrata* (*B. glabrata*).<sup>1</sup> 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.<sup>2</sup>

*B. glabrata* is a tropical species of fresh water snail found in the Caribbean and Northern South America. It is an intermediate host of the *S. mansoni* trematode worm parasite. *S. mansoni* infection causes Schistosomiasis in humans.

#### Material Provided:

Each vial of NR-29369 contains 10 µg to 100 µg of RNA in DNase/RNase-free distilled water. Each vial of lot 090111 and lot 05202011 contains 10 µg to 100 µg of RNA in diethylpyrocarbonate (DEPC) water. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-29369 was packaged in cryovials. The product is provided frozen and should be stored at -70°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: Total RNA from *Biomphalaria glabrata*, Strain NMRI, NR-29369."

#### 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).

#### Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

#### Use Restrictions:

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

#### References:

1. Matthew S. Tucker, Head Schistosomiasis Laboratory and Principal Investigator (prior to 2015), Biomedical Research Institute, 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.

ATCC® is a trademark of the American Type Culture Collection.

