

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

### Catalog No. NR-50738

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

#### Contributor and Manufacturer:

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#### Product Description:

NR-50738 is a preparation of messenger RNA (mRNA) extracted and purified from total RNA of *Biomphalaria glabrata* (*B. glabrata*), strain NMRI.<sup>1</sup>

The *B. glabrata*, strain NMRI is an albino snail that is highly susceptible to *Schistosoma mansoni* (*S. mansoni*), strain NMRI. 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>

#### Material Provided:

Each vial of NR-50738 contains approximately 0.5 µg to 1.0 µg of mRNA in DNase/RNase-free distilled water. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-50738 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: Messenger RNA from *Biomphalaria glabrata*, Strain NMRI, NR-50738."

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