

**Messenger RNA from *Schistosoma mansoni*, Strain NMRI, Miracidia**

**Catalog No. NR-42585**

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**Contributor and Manufacturer:**

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**Product Description:**

NR-42585 is a preparation of messenger RNA (mRNA) isolated from pooled *Schistosoma mansoni* (*S. mansoni*), strain NMRI, miracidia. Miracidia were collected from eggs harvested from the livers of mice infected with *S. mansoni*, strain NMRI, cercariae.<sup>1</sup>

*S. mansoni*, strain NMRI was isolated in the 1940s from infected Puerto Rican school children.<sup>2</sup> *S. mansoni* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.

**Material Provided:**

Each vial of NR-42585 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-42585 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 *Schistosoma mansoni*, Strain NMRI, Miracidia, NR-42585."

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Matty Knight, Principal Investigator, Biomedical Research Institute (prior to 2014), Personal Communication
2. Lewis, F. A., et al. "Large-Scale Laboratory Maintenance of *Schistosoma mansoni*, with Observations on Three Schistosome/Snail Host Combinations." *J. Parasitol.* 72 (1986): 813-829. PubMed: 3546654.

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