

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

**Catalog No. NR-42586**

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

**Contributor and Manufacturer:**

Matty Knight, Principal Investigator, Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN2722010000051)

**Product Description:**

Messenger RNA (mRNA) was isolated from *Schistosoma mansoni* (*S. mansoni*), strain NMRI, cercariae. Cercariae were collected from *Biomphalaria glabrata* that had been infected with *S. mansoni*, strain NMRI, by the cercarial shedding technique.<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-42586 contains approximately 625 ng 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-42586 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 obtained through BEI Resources, NIAID, NIH: Messenger RNA from *Schistosoma mansoni*, Strain NMRI, Cercariae, NR-42586."

**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. Matty Knight, 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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