

Total RNA from *Schistosoma mansoni*, Strain PR-1, Cercariae

Catalog No. NR-44217

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For research use only. Not for use in humans.

Contributor and Manufacturer:

Matthew S. Tucker, Head Schistosomiasis Laboratory and Principal Investigator, Biomedical Research Institute, Rockville, Maryland, USA (2013) and Margaret Mentink-Kane, Principal Investigator, Schistosomiasis Resource Center, Biomedical Research Institute, Rockville, Maryland, USA (2024) (NIH-NIAID Contract HHSN272201000005I)

Product Description:

Total RNA was extracted from *Schistosoma mansoni* (*S. mansoni*), strain PR-1 cercariae. Cercariae were collected from *Biomphalaria glabrata* snails infected with *S. mansoni*, strain PR-1 by cercarial shedding technique.¹

S. mansoni, strain PR-1 was originally isolated from infected snails in Arecibo, Puerto Rico in 1950. Strain PR-1 was maintained by NIAID/NIH until 1978, when it was brought to the Biomedical Research Institute.² *S. mansoni* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.

Material Provided:

Each vial of lot 70069072 contains approximately 7 µg of RNA in buffer. Each vial of NR-44217 lot 61895568 contains approximately 0.5 µg of RNA 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-44217 was packaged in cryovials. The product is provided frozen and should be stored at -60°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 *Schistosoma mansoni*, Strain PR-1, Cercariae, NR-44217."

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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

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References:

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