

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

Catalog No. NR-44217

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Contributor and Manufacturer:

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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 NR-44217 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 -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 *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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. M. S. Tucker, 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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