

Genomic DNA from Adult Male and Female *Schistosoma mansoni*, Strain PR-1

Catalog No. NR-43233

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Contributor and Manufacturer:

Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN272201000005I)

Product Description:

Genomic DNA was extracted from adult male and female *Schistosoma mansoni* (*S. mansoni*), strain PR-1.¹ *S. mansoni*, strain PR-1 was collected in Arecibo, Puerto Rico, in 1950. It has been maintained in the M-line strain of *Biomphalaria glabrata* (*B. glabrata*). The M-line strain is descended from a cross between a *S. mansoni* resistant albino strain of *B. glabrata*, collected in Brazil, and a *S. mansoni* susceptible pigmented strain of *B. glabrata*, collected in Puerto Rico in 1944.² *S. mansoni* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.

Material Provided:

Each vial of NR-43233 contains 10 to 100 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 0.1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-43233 was packaged in cryovials. The product is provided frozen and should be stored at -20°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: Genomic DNA from Adult Male and Female *Schistosoma mansoni*, Strain PR-1, NR-43233.”

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.

Disclaimers:

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References:

1. Knight, M., et al. “*Schistosoma mansoni*: Use of a Cloned Ribosomal RNA Probe to Detect Restriction Fragment Length Polymorphisms in the Intermediate Host *Biomphalaria glabrata*.” *Exp. Parasit.* 73 (1991): 285-294. PubMed: 1680745.
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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