Oligo(dT) Generated Complementary DNA from *Schistosoma mansoni*, Strain NMRI, Cercariae

Catalog No. NR-48857

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For research use only. Not for use in humans.

Contributor and Manufacturer:

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Product Description:

Complementary DNA (cDNA) was synthesized from total RNA extracted from *Schistosoma mansoni* (*S. mansoni*), strain NMRI, cercariae, using the ProtoScript® II First Strand cDNA Synthesis Kit (New England BioLabs®). The kit provides an anchored oligo-[d(T)$_{23}$VN] primer which forces the primer to anneal to the beginning of the poly(A) tail increasing the yield of 3´ end poly(A)-primed cDNAs.[1]

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

Material Provided:

Each vial of NR-48857 contains a variable amount of cDNA 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-48857 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately 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: Oligo(dT) Generated Complementary DNA from *Schistosoma mansoni*, Strain NMRI, Cercariae, NR-48857."

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). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

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References:

1. Nam, D. K., et al. "Oligo(dT) Primer Generates a High Frequency of Truncated cDNAs Through Internal Poly(A) Priming During Reverse Transcription." Proc. Natl. Acad. Sci. USA 9 (2002): 6152-6156. PubMed: 11972056.
2. Tucker, M. S., Head Schistosomiasis Laboratory and Principal Investigator (prior to 2015), Biomedical Research Institute, Personal Communication.

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