Oligo(dT) Generated Complementary DNA from *Schistosoma haematobium*, Egyptian Strain, Cercariae

Catalog No. NR-48858

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Contributor and Manufacturer:

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Product Description:

Complementary DNA (cDNA) was synthesized from total RNA extracted from *Schistosoma haematobium* (*S. haematobium*), Egyptian strain, 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]

The Egyptian strain of *S. haematobium* was originally isolated circa 1950 from an unknown location in Egypt. The laboratory stock of the Egyptian strain of *S. haematobium* was later mixed with an isolate that was thought to be obtained from Abrawash (Cairo) by the Naval Medical Research Unit III, in 1977, to produce the current Egyptian strain of *S. haematobium*.[2] *S. haematobium* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis.

Material Provided:

Each vial of NR-48858 contains approximately 1 µg 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-48858 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: Oligo(dT) Generated Complementary DNA from *Schistosoma haematobium*, Egyptian Strain, Cercariae, NR-48858."

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.

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., Personal Communication.

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