

# Complementary DNA from *Schistosoma mansoni*, Strain PR-1, Cercariae

## Catalog No. NR-48632

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**Product Description:** Complementary DNA (cDNA) was synthesized from RNA extracted from *Schistosoma mansoni* (*S. mansoni*), strain PR-1, cercariae.

Lot<sup>1,2</sup>: 62854880

Manufacturing Date: 21MAY2014

| TEST                                                                            | SPECIFICATIONS           | RESULTS                               |
|---------------------------------------------------------------------------------|--------------------------|---------------------------------------|
| Concentration                                                                   | Report results           | 1.0 µg in 20 µL per vial (0.05 µg/µL) |
| OD <sub>260</sub> /OD <sub>280</sub> Ratio                                      | 1.70 to 2.00             | 1.81                                  |
| Qualification by RT-PCR<br>Amplification of 28S ribosomal RNA gene <sup>3</sup> | ~ 290 base pair amplicon | ~ 290 base pair amplicon (Figure 1)   |

<sup>1</sup>QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN2722010000051)

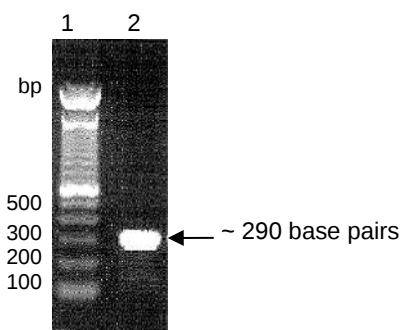
<sup>2</sup>cDNA was synthesized from total RNA by ProtoScript II<sup>®</sup> First Strand cDNA Synthesis Kit (New England BioLabs<sup>®</sup>, Inc.), according to the manufacturer's instructions.

<sup>3</sup>Primers were designed to amplify the nucleotide region 39 to 326 of *S. mansoni* 28S ribosomal RNA gene (GenBank: Z46503.1). Cross-amplification of the 28S gene from other *Schistosoma* species has been observed.

## Figure 1: Amplification of 28S Ribosomal RNA Gene for Qualification by RT-PCR

Lane 1: 100 base pair ladder

Lane 2: 290 base pair amplicon from *S. mansoni* 28S ribosomal RNA gene



Date: 03 OCT 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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