

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

Catalog No. NR-44217

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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.

Lot^{1,2}: 61895568

Manufacturing Date: 15APR2013

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	0.5 µg in 20 µL per vial (0.025 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.85 to 2.00	1.95
Qualification by RT-PCR Amplification of 28S Ribosomal RNA gene ³	~ 290 base pair amplicon	~ 290 base pair amplicon (Figure 1)

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

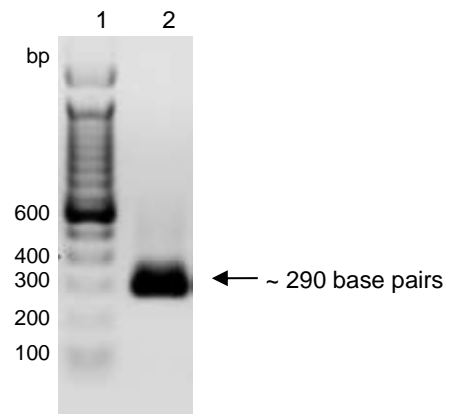
²Total RNA was extracted by RNAzol[®] RT (Molecular Research Center, Inc.) according to the manufacturer's instructions.

³Primers 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: 09 DEC 2013

Signature:

Title:

Technical Manager, BEI Authentication or designee

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