

**Total RNA from *Schistosoma haematobium*, Egyptian Strain, Miracidia**

**Catalog No. NR-44215**

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**Product Description:** Total RNA was extracted from *Schistosoma haematobium* (*S. haematobium*), Egyptian strain, miracidia. Miracidia were collected from *Bulinus* spp. snails infected with *S. haematobium*, Egyptian strain, by cercarial shedding technique.

**Lot<sup>1,2</sup>: 61895556**

**Manufacturing Date: 17APR2013**

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	0.5 µg in 20 µL per vial (0.025 µg /µL)
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.85 to 2.00	1.99
Qualification by RT-PCR Amplification of 28S Ribosomal RNA gene <sup>2</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 HHSN272201000005I)

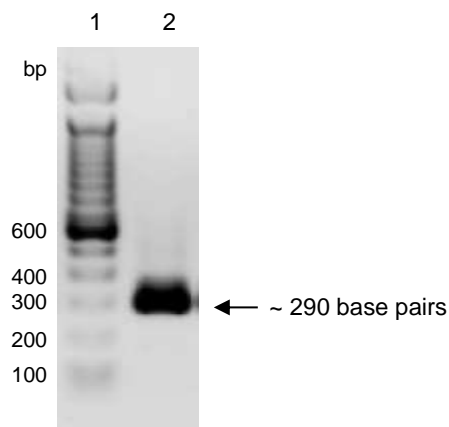
<sup>2</sup>Total RNA was extracted by RNeasy<sup>®</sup> RT (Molecular Research Center, Inc.) according to the manufacturer's instructions.

<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 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:** 10 DEC 2013

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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