

**Total RNA from Adult Male and Female *Schistosoma mansoni*, Strain NMRI**

**Catalog No. NR-28913**

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**Product Description:** Total RNA was extracted from a pool of adult male and female *Schistosoma mansoni* (*S. mansoni*), strain NMRI.

**Lot<sup>1-3</sup>: 10032012**

**Manufacturing Date: 20AUG2012**

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1 µg in 20 µL per vial (0.05 µg /µL)
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.85 to 2.00	1.98
Qualification by RT-PCR Amplification of 28S ribosomal RNA gene <sup>4</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>Total RNA was extracted by RNAzol<sup>®</sup> RT (Molecular Research Center, Inc.) according to the manufacturer's instructions.

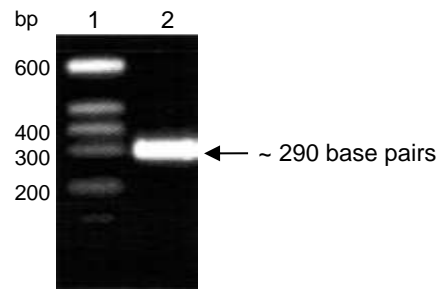
<sup>3</sup>*S. mansoni* pooled from mice, infected for at least 45 days, by perfusion technique.

<sup>4</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:** 13 JAN 2014

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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