

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

Catalog No. NR-28914

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Product Description: Total RNA was extracted from adult female *Schistosoma mansoni* (*S. mansoni*), strain NMRI. *S. mansoni* were pooled from at least 45 days infected mice by perfusion technique. Male and female were separated prior to RNA extraction and total RNA was extracted from *S. mansoni* adult female to produce NR-28914.

Lot^{1,2}: 61895562

Manufacturing Date: 25APR2013

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1 µg in 20 µL per vial (0.05 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.85 to 2.0	1.98
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)

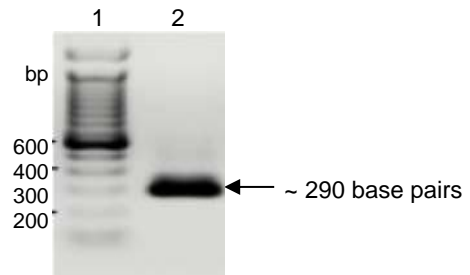
²Total RNA was extracted by RNAzol[®] RT (Molecular Research Center, Inc.) according to the manufacturer's instructions.

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: 22 OCT 2013

Signature:

Title:

Technical Manager, BEI Authentication or designee

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