

Certificate of Analysis for NR-45100

Total RNA from Adult Male *Schistosoma japonicum*, Chinese Strain

Catalog No. NR-45100

This reagent is the tangible property of the U.S. Government.

Product Description: Total RNA was extracted from adult male *Schistosoma japonicum* (*S. japonicum*), Chinese strain.

Lot¹⁻³: 62128107

Manufacturing Date: 29JUL2013

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	2 µg in 20 µL per vial (0.1 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.85 to 2.00	1.94
Qualification by RT-PCR Amplification of 28S ribosomal RNA gene ⁴	~ 290 base pair amplicon	~ 290 base pair amplicon (Figure 1)

¹QC testing was performed by the Biomedical Research Institute (BRI), Rockville, MD (NIH-NIAID Contract HHSN272201000005I)

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

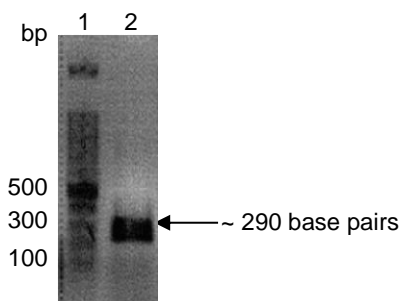
³*S. japonicum* was extracted from mice, infected for at least 42 days, by perfusion technique.

⁴Primers 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: 15 JAN 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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