

Oligo(dT) Generated Complementary DNA from *Schistosoma mansoni*, Strain NMRI, Miracidia

Catalog No. NR-48856

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Product Description: Complementary DNA (cDNA) was synthesized from RNA extracted from *Schistosoma mansoni* (*S. mansoni*), strain NMRI, miracidia, using the ProtoScript II First Strand cDNA Synthesis Kit (New England BioLabs®). The kit provides an anchored oligo-[d(T)23VN] primer which forces the primer to anneal to the beginning of the polyA tail increasing the yield of 3' end poly(A)-primed cDNAs.

Lot^{1,2}: 62854888

Manufacturing Date: 28MAY2014

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1 µg in 20 µL per vial (0.05 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.70 to 2.00	1.80
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)

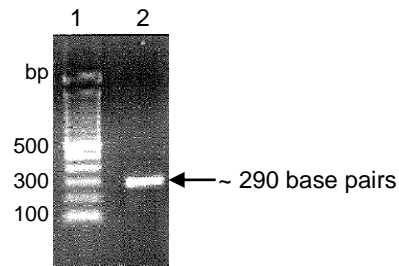
²cDNA was synthesized from total RNA by ProtoScript II® First Strand cDNA Synthesis Kit (New England BioLabs®, Inc.) according to the manufacturer's instructions, using Oligo d(T)₂₃ VN.

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: 07 NOV 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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