

Total RNA from *Biomphalaria pfeifferi*

Catalog No. NR-43229

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Product Description: Total RNA was extracted from a field isolate of *Biomphalaria pfeifferi* (*B. pfeifferi*) obtained in Ghana.

Lot¹⁻³: 61585368

Manufacturing Date: 12DEC2012

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	50 µg in 50 µL per vial (1 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.85 to 2.00	2.00
Qualification by RT-PCR Amplification of myoglobin gene ⁴	~ 190 base pair amplicon	~ 190 base pair amplicon (Figure 1)

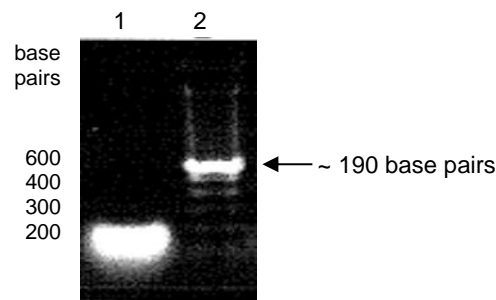
¹QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN2722010000051)

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

³*B. pfeifferi* were treated with 100 µg/mL ampicillin to reduce rotifer and bacterial contamination prior to extraction.

⁴Primers were designed to amplify the nucleotide region 108 to 296 of *B. glabrata* myoglobin gene (GenBank: AY314976).

Figure 1: Amplification of Myoglobin Gene for Qualification by RT-PCR.



Lane 1: 100 base pair ladder

Lane 2: cDNA amplification from 1 µg of NR-43229

Date: 30 SEP 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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