

Messenger RNA from *Biomphalaria glabrata*, Strain NMRI

Catalog No. NR-50738

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

Product Description: NR-50738 is a preparation of messenger RNA (mRNA) extracted and purified from *Biomphalaria glabrata* (*B. glabrata*), strain NMRI.

Lot^{1,2}: 70004680

Manufacturing Date: 06APR2016

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1 µg in 50 µL per vial (0.02 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.85 to 2.00	2.17 ³
Qualification by RT-PCR Amplification of <i>B. glabrata</i> myoglobin gene ⁴	~ 320 base pair amplicon	~ 320 base pair amplicon (Figure 1)

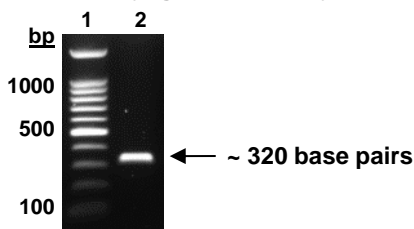
¹QC testing was performed by the Biomedical Research Institute, Rockville, Maryland (NIH-NIAID Contract HHSN272201000005I).

²Messenger RNA was extracted and purified from total RNA by SMART[®] mRNA Amplification Kit (Clontech) according to the manufacturer's instructions.

³The Biomedical Research Institute has not had any problems with samples that are slightly out of range of the current OD₂₆₀/OD₂₈₀ specifications. Please contact@beiresources.org if there are any concerns with this lot and its suitability for your application.

⁴Primers were designed to amplify a region of *B. glabrata* myoglobin gene (GenBank: U89283); PCR performed on cDNA generated from NR-50738.

Figure 1: Amplification of Myoglobin Gene by RT-PCR



Lane 1: 100 base pair ladder
Lane 2: *B. glabrata* myoglobin gene from NR-50738

Date: 13 JUL 2017

Signature:

BEI Resources Authentication

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