

**Total RNA from *Oncomelania hupensis* subsp. *nosophora*, Japanese Strain, Hosaka Isolate**

**Catalog No. NR-42581**

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

**Product Description:** Total RNA was extracted from the Hosaka isolate of *Oncomelania hupensis* subsp. *nosophora*, Japanese strain.

**Lot<sup>1-3</sup>: 121010-2**

**Manufacturing Date: 10OCT2012**

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	50 µg in 50 µL per vial (1 µg/µL)
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.85 to 2.00	1.96
Qualification by RT-PCR Amplification of myoglobin gene <sup>4</sup>	~ 189 base pair amplicon	~ 189 base pair amplicon (Figure 1)

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

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

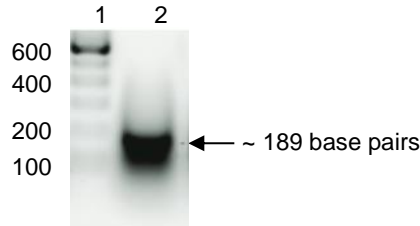
<sup>3</sup>Snails (> 5 mm) were treated with 100 µg/mL ampicillin overnight to reduce rotifer and bacterial contamination prior to processing.

<sup>4</sup>Primers were designed to amplify 189 base pairs (positions 108-296) of the myoglobin gene of *Biomphalaria glabrata* (GenBank: AY314976).

**Figure 1: Amplification of myoglobin gene for qualification by RT-PCR.**

Lane 1: 100 base pair ladder

Lane 2: 189 base pair amplicon



**Date:** 20 MAY 2013

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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