

Schistosoma mansoni, Ubiquitin Gene Reverse Primer

Catalog No. NR-41368

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Product Description: NR-41368 contains a twenty-four nucleotide reverse primer designed to amplify the ubiquitin gene from *Schistosoma mansoni* (*S. mansoni*) when paired with the ubiquitin forward primer (NR-41332). The sequence of the ubiquitin reverse 24-mer is 5'-AAGTTAACCACCACGAAGACGCAA-3'.

Lot¹: 61500644

Manufacturing Date: 17MAY2012

TEST	SPECIFICATIONS	RESULTS
PCR Assay of Extracted Nucleic Acid^{2,3,4} Amplicon size	~ 645 base pair amplicon	~ 645 base pair amplicon (Figure 1)
Primer Characteristics¹ Molecular weight Primer melting temperature (Tm) GC content Primer concentration Moles of primer Micrograms of primer	Report results Report results Report results Report results Report results Report results	7333 g/mol 62.9°C 45.8% 100 µM 3.0 nmoles per vial 22.0 µg per vial
Gene Stability by Quantitative Real-Time PCR	Report results	No statistical significant difference in threshold cycle (Ct) ^{5,6}

¹NR-41368 lot: 61500644 was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer. The bulk material was thawed and aliquoted at ATCC®.

²PCR completed by the Biomedical Research Institute prior to vialing.

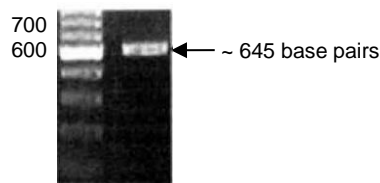
³Position 249 to 890 of GenBank: AF045474.1

⁴This test showed no cross amplification in mice

⁵20 individual snails were utilized for RT-PCR amplification

⁶ANOVA test (P value = 0.01)

Figure 1: PCR Amplification of *S. mansoni* Ubiquitin Gene using NR-41332 and NR-41368



Date: 18 SEP 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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