

**Schistosoma mansoni, Microsatellite SMD89 Forward Primer**

**Catalog No. NR-29390**

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

**Product Description:** NR-29390 contains a twenty nucleotide forward primer designed to amplify the microsatellite SMD89 from *Schistosoma mansoni* (*S. mansoni*) when paired with the SMD89 reverse primer (NR-29391). The sequence of the SMD89-F 20-mer is 5'-GACCACGCGTATATAGCTAC-3'.

**Lot<sup>1</sup>: 61433230**

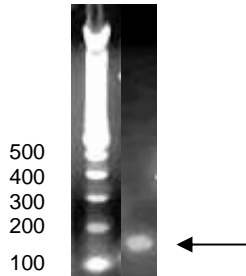
**Manufacturing Date: 29NOV2010**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>2</sup></b> Amplicon size NCBI blast of sequence	100 to 169 base pairs Identical to GenBank: AF202968	~ 125 bp (Figure 1) Identical to GenBank: AF202968
<b>Primer Characteristics<sup>1</sup></b> Molecular weight Primer melting temperature (T <sub>m</sub> ) GC content Primer concentration Moles of primer Micrograms of primer	Report results Report results Report results Report results Report results Report results	6086 g/mol 60.4°C 50.0% 100 µM 3.0 nmoles per vial 18.3 µg per vial

<sup>1</sup>NR-29390 lot: 61433230 was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer. The bulk material was thawed and aliquoted at ATCC®.

<sup>2</sup>PCR completed by the Biomedical Research Institute prior to vialing at ATCC®. Additional information is available in: Gower, C. M., et al. "Development and Application of an Ethically and Epidemiologically Advantageous Assay for the Multi-Locus Microsatellite Analysis of *Schistosoma mansoni*." *Parasitology* 134 (2007): 523-536. PubMed: 17096873.

**Figure 1: PCR Amplification of Microsatellite SMD89 using NR-29390 and NR-29391**



**Date:** 27 MAR 2013

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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