

***Schistosoma mansoni* Microsatellite SMD43 Forward Primer**

**Catalog No. NR-29383**

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**Product Description:** NR-29383 is a twenty nucleotide forward primer designed to amplify microsatellite SMD43 from *Schistosoma mansoni* (*S. mansoni*) when paired with the SMD43 reverse primer (NR-29382). The sequence of the SMD43-F 20-mer is 5'-TCCTCTTGGATGGGGTAGCCGGA-3'.

**Lot<sup>1</sup>: 61433207**

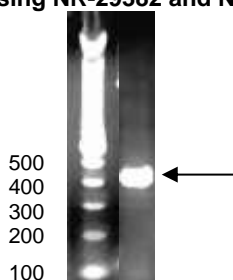
**Manufacturing Date: 29NOV2010**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>2</sup></b> Amplicon size NCBI blast of sequence	~ 400 base pairs Identical to GenBank: AF325697	~ 400 base pairs (Figure 1) Identical to GenBank: AF325697
<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	7112 g/mol 68.1°C 60.9% 100 µM 3.0 nmoles per vial 21.4 µg per vial

<sup>1</sup>NR-29383 lot: 61433207 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 *S. mansoni* Microsatellite SMD43 using NR-29382 and NR-29383**



**Date:** 26 MAR 2013

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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