

**Schistosoma mansoni, Microsatellite SMDA28 Forward Primer**

**Catalog No. NR-29379**

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**Product Description:** NR-29379 is a twenty nucleotide forward primer designed to amplify microsatellite SMDA28 from *Schistosoma mansoni* (*S. mansoni*) when paired with the SMDA28 reverse primer (NR-29380). The sequence of the SMDA28-F 20-mer is 5'-ATACGAGGCCGACCCGTGGA-3'.

**Lot<sup>1</sup>: SMDA28-F**

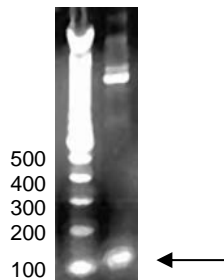
**Manufacturing Date: 29NOV2010**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>2</sup></b> Amplicon size NCBI blast of sequence	92 to 128 base pairs Identical to GenBank: AF325695	~ 120 bp (Figure 1) Identical to GenBank: AF325695
<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	6152 g/mol 66.6°C 65% 100 µM 29.6 nmoles per vial 182 µg per vial

<sup>1</sup>NR-29379 Lot SMDA28-F was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer.

<sup>2</sup>PCR completed by the Biomedical Research Institute. 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 SMDA28 using NR-29379 and NR-29380**



**Date:** 11 JAN 2012

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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