

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* when paired with the SMDA28 reverse primer (NR-29380). The sequence of the SMDA28-F 20-mer is 5'-ATACGAGGCCGACCCGTGGA-3'.

Lot¹: 61433199

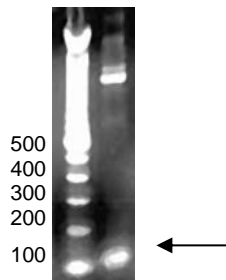
Manufacturing Date: 29NOV2010

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing² Amplicon size NCBI blast of sequence	92 to 128 base pairs Identical to GenBank: AF325695	~ 120 bp (Figure 1) Identical to GenBank: AF325695
Primer Characteristics¹ Molecular weight Primer melting temperature (T _m) 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 3.0 nmoles per vial 18.5 µg per vial

¹NR-29379 Lot SMDA28-F 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 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 SMDA28 using NR-29379 and NR-29380



Date: 26 MAR 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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