

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'.

Lot¹: 70004291

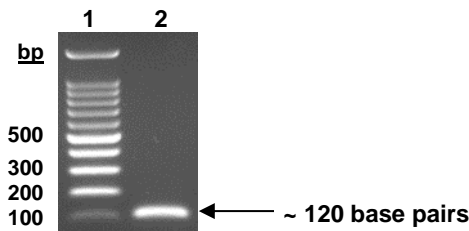
Manufacturing Date: 21MAR2017

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing² Amplicon size NCBI blast of sequence	92 to 128 base pairs Identical to GenBank: AF325695	~ 120 base pairs (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 70004291 was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer.

²PCR was completed by the Biomedical Research Institute, Rockville, Maryland. 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



Lane 1: 100 base pair ladder
Lane 2: NR-29379 and NR-29380

Date: 18 JUL 2017

Signature:

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