

Schistosoma mansoni, Microsatellite SMDA28 Reverse Primer

Catalog No. NR-29380

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Product Description: NR-29380 contains a twenty-five nucleotide reverse primer designed to amplify microsatellite SMDA28 from *Schistosoma mansoni* (*S. mansoni*) when paired with the SMDA28 forward primer (NR-29379). The sequence of the SMDA28-R 25-mer is 5'-TGCAACGGTCTCTAAACTGAGACCA-3'.

Lot¹: 61433204

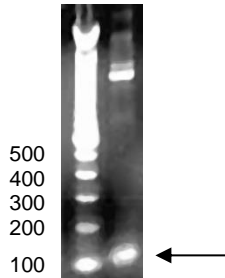
Manufacturing Date: 29NOV2010

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	7635 g/mol 64.6°C 48% 100 µM 3.0 nmoles per vial 22.9 µg per vial

¹NR-29380 lot: 61433204 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 Microsatellite SMDA28 using NR-29379 and NR-29380



Date: 18 MAR 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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