

Schistosoma mansoni, Microsatellite SMD43 Reverse Primer

Catalog No. NR-29382

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

Lot¹: 70004294

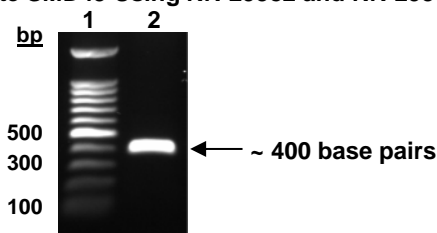
Manufacturing Date: 11FEB2016

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing² Amplicon size NCBI blast of sequence	~ 400 base pairs Identical to GenBank: AF325697	~ 400 base pairs (Figure 1) Identical to GenBank: AF325697
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	6425 g/mol 66.5°C 61.9% 100 µM 3.0 nmoles per vial 19.3 µg per vial

¹NR-29382 lot 70004294 was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer.

²PCR 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 *Schistosoma mansoni* Microsatellite SMD43 Using NR-29382 and NR-29383



Lane 1: 100 base pair ladder
Lane 2: NR-29382 and NR-29383

Date: 18 JUL 2017

Signature: 

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