

Schistosoma mansoni Microsatellite SMD43 Reverse Primer

Catalog No. NR-29382

This reagent is the tangible property of the U.S. Government.

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

Lot¹: 61433206

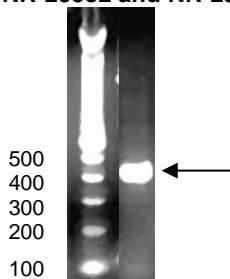
Manufacturing Date: 29NOV2010

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: 61433206 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 SMD43 using NR-29382 and NR-29383



Date: 26 MAR 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contributor and manufacturer to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

