

***Schistosoma mansoni* Microsatellite SMD43 Forward Primer**

Catalog No. NR-29383

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

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

Lot¹: SMD43-F

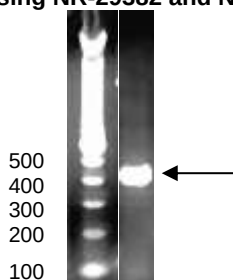
Manufacturing Date: 29NOV2010

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	7112 g/mol 68.1°C 60.9% 100 µM 35.8 nmoles per vial 254.5 µg per vial

¹NR-29383 lot: SMD43-F was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer.

²PCR completed by the Biomedical Research Institute.

Figure 1: PCR Amplification of *S. mansoni* Microsatellite SMD43 using NR-29382 and NR-29383



Date: 12 APR 2012

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.

