

***Schistosoma mansoni*, Microsatellite SMD28 Reverse Primer**

**Catalog No. NR-29389**

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

**Product Description:** NR-29389 contains a twenty nucleotide reverse primer designed to amplify the microsatellite SMD28 from *Schistosoma mansoni* when paired with the SMD28 forward primer (NR-29388). The sequence of the SMD28-R 20-mer is 5'-ACGACTGTGAATTAACGCTT-3'.

**Lot<sup>1</sup>: 61433229**

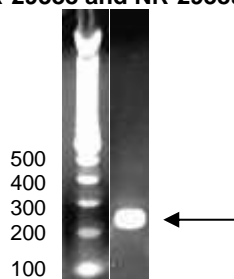
**Manufacturing Date: 29NOV2010**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>2</sup></b> Amplicon size NCBI blast of sequence	200 to 245 base pairs Identical to GenBank: AF202966	~ 220 bp (Figure 1) Identical to GenBank: AF202966
<b>Primer Characteristics<sup>1</sup></b> Molecular weight Primer melting temperature (T <sub>m</sub> ) GC content Primer concentration Moles of primer Micrograms of primer	Report results Report results Report results Report results Report results Report results	6116 g/mol 56.3°C 40.0% 100 µM 3.0 nmoles per vial 18.4 µg per vial

<sup>1</sup>NR-29389 lot: 61433229 was manufactured by Eurofins MWG Operon. Primer characteristics were determined by the manufacturer. The bulk material was thawed and aliquoted at ATCC®.

<sup>2</sup>PCR 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 SMD28 using NR-29388 and NR-29389**



**Date:** 27 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.

