

Schistosoma mansoni Microsatellite SMU31768 Forward Primer

Catalog No. NR-29392

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Product Description: NR-29392 is a twenty nucleotide forward primer designed to amplify microsatellite SMU31768 from *Schistosoma mansoni* (*S. mansoni*) when paired with the SMU31768 reverse primer (NR-29393). The sequence of the SMU31768-F 20-mer is 5'-ACAACCAGTGTATTAGCAGC-3'.

Lot¹: 61433232

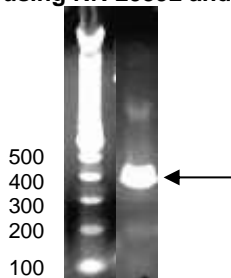
Manufacturing Date: 29NOV2010

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing² Amplicon size NCBI blast of sequence	~ 350 base pairs Identical to GenBank: U31768	~ 350 base pairs (Figure 1) Identical to GenBank: U31768
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	6110 g/mol 58.4°C 45.0% 100 µM 3.0 nmoles per vial 18.4 µg per vial

¹NR-29392 lot: 61433232 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 SMU31768 using NR-29392 and NR-29393



Date: 28 MAR 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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