

Filarial Forward S2 Primer for 5S rDNA Amplification

Catalog No. NR-42623

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Product Description: The filarial S2 forward primer is a 21 nucleotide primer designed to amplify the 5S rDNA when paired with the S16 reverse primer (NR-42624). The S2 and S16 primers are designed to target a highly conserved region of the 5S rDNA and can be used to amplify DNA from the *Onchocercidae* family including, but not limited to: *Brugia*, *Wuchereria*, *Onchocerca*, *Mansonella*, *Dirofilaria* and *Ancanthocheilonema* genera. The amplified product ranges in size from approximately 400 to 600 base pairs, depending on the species. The sequence of the S2 forward primer is: 5'-GTTAAGCAACGTTGGCCTGG-3'.

Lot¹: 62868591

Manufacturing Date: 21AUG2014

TEST	SPECIFICATIONS	RESULTS
Primer Characteristics		
Molecular weight	Report results	6502 g/mol
Primer melting temperature (Tm)	Report results	56.0°C
GC content	Report results	57.1%
Primer concentration	Report results	100 µM
Moles of primer	Report results	2 nmoles per vial
Micrograms of primer	Report results	13 µg per vial

¹NR-42623 lot: 62868591 was manufactured by Integrated DNA Technologies, Inc. (IDT®).

Date: 20 OCT 2014

Signature:



Title: Technical Manager, BEI Authentication or designee

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