

**Filarial Reverse S16 Primer for 5S rDNA Amplification**

**Catalog No. NR-42624**

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

**Product Description:** The filarial S16 reverse primer is a 20 nucleotide primer designed to amplify the 5S rDNA when paired with the S2 forward primer (NR-42623). 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 S16 reverse primer is: 5'-TTGACAGATCGGACGAGATG-3'.

**Lot<sup>1,2</sup>: 61566465**

**Manufacturing Date: OCT2012**

TEST	SPECIFICATIONS	RESULTS
<b>Primer Characteristics</b>		
Molecular weight	Report results	6206 g/mol
Primer melting temperature (Tm)	Report results	52.0°C
GC content	Report results	50.0%
Primer concentration	Report results	100 µM
Moles of primer	Report results	2 nmoles per vial
Micrograms of primer	Report results	12.4 µg per vial

<sup>1</sup>NR-42624 lot: 61566465 was manufactured by Integrated DNA Technologies, Inc. (IDT®).

<sup>2</sup>The bulk material was thawed and aliquoted at ATCC®.

**Date:** 11 JUL 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 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.

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