

**Wuchereria bancrofti Cut-1 Forward Primer**

**Catalog No. NR-42619**

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

**Product Description:** The Cut-1 forward primer is a 25 nucleotide primer designed for use with the Cut-1 reverse primer (NR-42620) in quantitative real-time PCR detection of *Wuchereria bancrofti* (*W. bancrofti*) infective stage larvae (L3). The Cut-1 primer set amplifies 144 base pairs of an L3 activated cuticulin gene. The sequence of the Cut-1 forward primer is: 5'-CACACAAATTGAAGTTTCCGAAATT-3'. The *W. bancrofti* Cut-1 primer set is designed to be used with a dual labeled probe: 6FAM-TGCCTGTATGTCGATATGAGATTCTTGATGGTG-TAMRA™.

**Lot<sup>1,2</sup>: 61566460**

**Manufacturing Date: OCT2012**

TEST	SPECIFICATIONS	RESULTS
<b>Primer Characteristics</b>		
Molecular weight	Report results	7633 g/mol
Primer melting temperature (Tm)	Report results	51.0°C
GC content	Report results	32.0%
Primer concentration	Report results	100 µM
Moles of primer	Report results	2 nmoles per vial
Micrograms of primer	Report results	15.3 µg per vial

<sup>1</sup>NR-42619 lot: 61566460 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.

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.

