

**Dengue Virus Type 1 Primers**

**Catalog No. NR-12078**

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

**Product Description:** NR-12078 contains forward and reverse primers that specifically amplify a region of the NS3 gene of dengue virus type 1 (DENV-1).

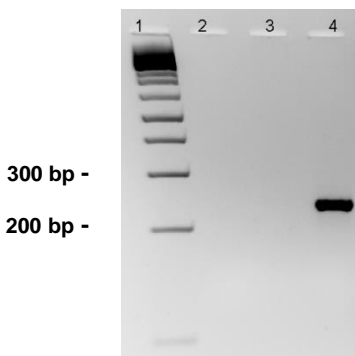
**Lot: 58662423**

**Manufacturing Date: 29JUN2009**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>1</sup></b> Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 240 bp (Figure 1) NS3
<b>Specificity</b>	Specific for DENV-1 NS3	Specific for DENV-1 NS3
<b>Concentration of Each Primer</b>	Report results	10 µM

<sup>1</sup>Viral genomic RNA from DENV-1, Hawaii (BEI Resources NR-82) was extracted using a Qiagen QIAamp<sup>®</sup> Viral RNA Mini kit and used as template.

**Figure 1: RT-PCR Amplification of Genomic RNA from DENV-1, Hawaii Using NR-12078**



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™  
 Lane 2: Negative Control (Water)  
 Lane 3: Negative Control (RNA from Dengue Virus Type 2, New Guinea C; BEI Resources NR-84)  
 Lane 4: RNA from DENV-1, Hawaii (BEI Resources NR-82)  
Note: The viral genomic RNA is in a background of cellular and carrier RNA.

**Date:** 19 AUG 2009

**Signature:** Signature on File  
**Title:** Technical Manager, BEI Authentication or designee

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