

**Dengue Virus Type 3 Primers**

**Catalog No. NR-12080**

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

**Product Description:** NR-12080 contains forward and reverse primers that specifically amplify a region of the NS5 gene of dengue virus type 3 (DENV-3).

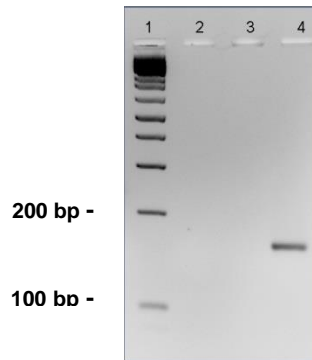
**Lot: 58662426**

**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	~ 163 bp (Figure 1) NS5
<b>Specificity</b>	Specific for DENV-3 NS5	Specific for DENV-3 NS5
<b>Concentration of Each Primer</b>	Report results	10 µM

<sup>1</sup>Viral genomic RNA from DENV-3, H87 (BEI Resources NR-80) 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-3, H87 Using NR-12080**



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™  
 Lane 2: Negative Control (Water)  
 Lane 3: Negative Control (RNA from Dengue Virus Type 4, H241; BEI Resources NR-86)  
 Lane 4: RNA from DENV-3, H87 (BEI Resources NR-80)  
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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