

Dengue Virus Type 4 Primers

Catalog No. NR-12081

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Product Description: NR-12081 contains forward and reverse primers that specifically amplify a region of the NS2A gene of dengue virus type 4 (DENV-4).

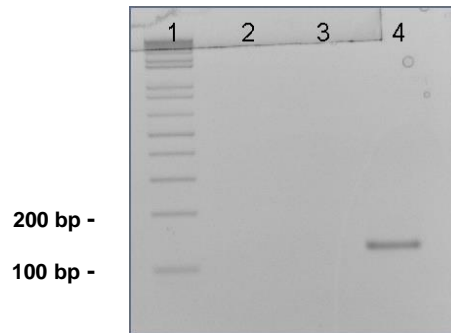
Lot: 58662428

Manufacturing Date: 20JUL2009

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing¹ Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 130 bp (Figure 1) NS2A
Specificity	Specific for DENV-4 NS2A	Specific for DENV-4 NS2A
Concentration of Each Primer	Report results	10 µM

¹Viral genomic RNA from DENV-4, H241 (BEI Resources NR-86) was extracted using a Qiagen QIAamp[®] Viral RNA Mini kit and used as template.

Figure 1: RT-PCR Amplification of Genomic RNA from DENV-4, H241 Using NR-12081



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