b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-12078

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

Lot: 70066253 **Manufacturing Date: 29JUN2009**

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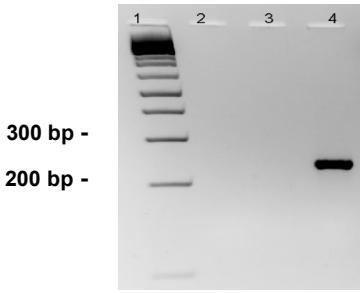
TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing		
Amplicon size	Expected size	~ 240 bp (Figure 1)
NCBI blast of sequence	Expected sequence	NS3
Specificity	Specific for DENV-1 NS3	Specific for DENV-1 NS3
Concentration of Each Primer	Report results	10 µM

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.

/Sonia Bjorum Brower/
Sonia Bjorum Brower 12 APR 2024
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected 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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