

Genomic RNA from Dengue Virus Type 3 (DEN-3), Philippines/H87/1956

Catalog No. NR-2771

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from African green monkey (Vero) cells¹ infected with DEN-3, Philippines/H87/1956. RT-PCR amplification of a sequence of ~ 1700 nucleotides was successful with dilutions of up to 50-fold for this lot of NR-2771.

Lot²: 7662440

Manufacturing Date: 05JAN2007

TEST	SPECIFICATIONS	RESULTS
Sequencing of DEN-3 Specific Sequence (~ 780 nt)	DEN-3 Consistent with Philippines/H87/1956	DEN-3 Consistent with Philippines/H87/1956
Functional Activity by RT-PCR Amplification³	~ 1700 bp amplicon	~ 1700 bp amplicon (see Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular, and Carrier)	Report results	291.8 ng per 100 µL
Total Cellular DNA Content by PicoGreen[®] Measurement	Report results	19.4 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect ^{1,4}	No viable virus detected	No viable virus detected

¹Vero cells: ATCC[®] CCL-81™.

²Nucleic acid was extracted from a preparation of DEN-3, Philippines/H87/1956 (BEI Resources NR-80; Lot 5514033) using a Qiagen QIAamp[®] Viral RNA Mini Kit.

³Amplified using a 1:25 dilution of NR-2771 and a TITANIUM™ One-Step RT-PCR Kit (Clontech 639504).

⁴This extraction procedure has been shown to consistently inactivate 100% of dengue viruses using a number of methods designed to detect the virus in cells: 1) cytopathic effect (100% plating, 10% plating, blind passage sub-culturing), 2) indirect immunofluorescence of viral antigens and 3) RT-PCR of viral RNA.

Date: 08 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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Figure 1

