

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

Catalog No. NR-2771

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from African green monkey cells (Vero; ATCC® CCL-81™) infected with DEN-3, Philippines/H87/1956.

DEN-3, Philippines/H87/1956 was isolated from human serum in 1956 in the Philippines.¹ The complete genome of DEN-3, Philippines/H87/1956 has been sequenced (GenBank: M93130).²

NR-2771 has been qualified for RT-PCR applications by amplification of a sequence of ~ 1000 nucleotides or longer. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 100 µL of genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-2771 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Dengue Virus Type 3 (DEN-3), Philippines/H87/1956, NR-2771."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in

Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Hammon, W. M., A. Rudnick, and G. E. Sather. "Viruses Associated with Epidemic Hemorrhagic Fevers of the Philippines and Thailand." Science 131 (1960): 1102–1103. PubMed: 14399343.
2. Osatomi, K. and H. Sumiyoshi. "Complete Nucleotide Sequence of Dengue Type 3 Virus Genome RNA." Virology 176 (1990): 643–647. PubMed: 2345967. GenBank: M93130.

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