

Product Information Sheet for NR-2768

Genomic RNA from Dengue Virus Type 1, TH-Sman

Catalog No. NR-2768

For research use only. Not for use in humans.

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 dengue virus type 1 (DEN-1), TH-Sman. DEN-1, TH-Sman was isolated in 1958 by Dr. Sman Vardhanabhuti from the serum of a patient diagnosed with Thai hemorrhagic fever in Bangkok, Thailand.^{1,2}

NR-2768 has been qualified for PCR applications by amplification of an approximately 1000 base pair nucleotide sequence. 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 viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). 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-2768 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 minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Dengue Virus Type 1, TH-Sman, NR-2768."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use, and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure the authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers, and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before the first commercial sale.

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. Shiu, S. Y., et al. "Envelope Protein Sequences of Dengue Virus Isolates TH-36 and TH-Sman, and Identification of a Type-specific Genetic Marker for Dengue and Tick-borne Flaviviruses." J. Gen. Virol. 73 (1992): 207-212. PubMed: 1339466.

ATCC® is a trademark of the American Type Culture Collection.

