Product Information Sheet for NR-50530

Genomic RNA from Dengue Virus Type 1, UIS 998

Catalog No. NR-50530

For research use only. Not for use in humans.

Contributor:
World Reference Center for Emerging Viruses and Arboviruses (WRCEVA), University of Texas Medical Branch, Galveston, Texas, USA

Manufacturer:
BEI Resources

Product Description:
Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Aedes albopictus* mosquito larval epithelial cells (clone C6/36; ATCC® CRL-1660™) infected with dengue virus type 1 (DEN-1), UIS 998. DEN-1, UIS 998 was isolated from a serum specimen collected from a human in Bucaramanga, Santander, Colombia on January 18, 2007, and contributed to WRCEVA by Gustavo Valbuena of the Department of Pathology, University of Texas Medical Branch, Galveston, Texas, USA, and Luis Villar of the Universidad Industrial de Santander, Bucaramanga, Santander, Colombia.[1]

NR-50530 has been qualified for RT-PCR applications by amplification of a sequence of approximately 1000 nucleotides. 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-50530 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, UIS 998, NR-50530."

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:
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References:
1. Tesh, R. B., Personal Communication.

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