

Genomic RNA from Mayaro Virus, BeAr505411

Catalog No. NR-50080

For research use only. Not for human use.

Contributor:

World Reference Center for Emerging Viruses and Arboviruses, 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 *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with Mayaro virus (MAYV), BeAr505411.

MAYV, BeAr505411 was isolated from *Haemagogus janthomys* mosquitoes in Para, Brazil in March, 1991.^{1,2}

NR-50080 has been qualified for RT-PCR applications by amplification of a sequence of approximately 800 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 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-50080 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 Mayaro Virus, BeAr505411, NR-50080.”

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. Powers, A. M., et al. “Genetic Relationships among Mayaro and Una Viruses Suggest Distinct Patterns of Transmission.” Am. J. Trop. Med. Hyg. 75 (2006): 461-469. PubMed: 16968922.
2. Auguste, A. J., et al. “Evolutionary and Ecological Characterization of Mayaro Virus Strains Isolated during an Outbreak, Venezuela, 2010.” Emerg. Infect. Dis. 21 (2015): 1742-1750. PubMed: 26401714.

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