

**Genomic RNA from Yellow Fever Virus, 17D**

**Catalog No. NR-2869**

**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 *Cercopithecus aethiops* kidney epithelial cells (Vero cells) infected with yellow fever virus (YFV), 17D. The complete genomic sequence of YFV, 17D has been determined (GenBank: X03700).<sup>1</sup>

NR-2869 has been qualified for PCR applications by amplification of an approximately 1100 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

**Material Provided:**

Each vial contains 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). 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-2869 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 Yellow Fever Virus, 17D, NR-2869.”

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Rice, C. M., et al. “Nucleotide Sequence of Yellow Fever Virus: Implications for Flavivirus Gene Expression and Evolution.” [Science](#) 229 (1985): 726–733. PubMed: 4023707.

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