

## Genomic RNA from Bourbon Virus, Original

### Catalog No. NR-50146

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### For research use only. Not for human use.

#### Contributor:

Brandy J. Russell, Arbovirus Reference Collection Curator, Arboviral Diseases Branch, Reference and Reagent Laboratory, Centers for Disease Control and Prevention, Fort Collins, Colorado, 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 E6; ATCC® CRL-1586™) infected with Bourbon virus (BRBV), Original.

BRBV, Original was isolated from a human with fever, thrombocytopenia, and a recent history of tick exposure in Bourbon County, Kansas, in June 2014.<sup>1,2</sup>

NR-50146 has been qualified for PCR applications by amplification of an approximately 750 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-50146 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen 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 Bourbon Virus, Original, NR-50146."

#### 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. Kosoy, O. I., et al. "Novel Thogotovirus Associated with Febrile Illness and Death, United States, 2014." Emerg. Infect. Dis. 21 (2015): 760-764. PubMed: 25899080.
2. Lambert, A. J., et al. "Molecular, Serological and *in vitro* Culture-Based Characterization of Bourbon Virus, a Newly Described Human Pathogen of the Genus *Thogotovirus*." J. Clin. Virol. 73 (2015): 127-132. PubMed: 26609638.

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