

Bourbon Virus, Original

Catalog No. NR-50132

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Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae*, *Thogotovirus*

Agent: Bourbon Virus

Strain: Original

Original Source: Bourbon virus (BRBV), Original was isolated from a human with fever, thrombocytopenia, and a recent history of tick exposure in Bourbon County, Kansas, in June 2014.^{1,2} The isolate was obtained from Olga I. Kosoy and Amy J. Lambert of the Division of Vector-Borne Disease at the Centers for Disease Control and Prevention.

Comments: BRBV is newly discovered, potentially tick-borne human pathogen associated with febrile illness and death in the index case.^{1,2}

Material Provided:

Each vial contains approximately 0.5 mL of clarified supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with BRBV, Original.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-50132 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: Vero E6 cells (ATCC® CRL-1586)

Growth Medium: Dulbecco's Modified Eagle's Medium supplemented with 2% fetal bovine serum

Infection: Cells should be 80% to 95% confluent

Incubation: 3 to 10 days at 37°C and 5% CO₂

Cytopathic Effect: Cell rounding and detachment

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Bourbon Virus, Original, NR-50132."

Biosafety Level: 3

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.

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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.

- 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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