

## Snowshoe Hare Virus

### Catalog No. NR-535

(Derived from ATCC® VR-711™)

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

#### Contributor:

ATCC®

#### Manufacturer:

BEI Resources

#### Product Description:

Virus Classification: *Bunyaviridae*, *Orthobunyavirus*,  
*California encephalitis virus*

Agent: Snowshoe hare virus

Original Source: Isolated in 1959 from the blood of a snowshoe hare (*Lepus americanus*) captured in the Bitterroot Valley of western Montana<sup>1</sup>

Comments: Snowshoe hare virus was deposited at ATCC® in 1973 by Robert E. Shope, M.D., Director, Yale Arbovirus Research Unit, Yale University School of Medicine, New Haven, Connecticut. The complete nucleotide sequences of the small (S; GenBank: J02390)<sup>2</sup> and medium (M; GenBank: K02539)<sup>4</sup> RNA segments of snowshoe hare virus have been determined. The S RNA segment codes for both the nucleocapsid protein (GenPept: P03513)<sup>2</sup> and a non-structural protein (GenPept: P03514),<sup>2,3</sup> while the M RNA segment codes for a polyprotein (GenPept: P04875).<sup>3-5</sup>

#### Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells infected with snowshoe hare virus.

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

#### Packaging/Storage:

NR-535 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: *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™)

Growth Medium: Minimum Essential Medium supplemented with 2% fetal bovine serum, 2 mM L-glutamine, and 1 mM sodium pyruvate, or equivalent (lot-specific details are on the Certificate of Analysis)

Infection: Cells should be 80% to 90% confluent

Incubation: 1 to 3 days at 37°C and 5% CO<sub>2</sub>

Cytopathic Effect: Cell rounding and detachment

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Snowshoe Hare Virus, NR-535."

#### Biosafety Level: 2

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:

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