Product Information Sheet for NR-12235

Bear Canyon Virus, VH-C067

Catalog No. NR-12235
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For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:

Virus Classification: Arenaviridae, Mammarenavirus
Species: Bear Canyon mammarenavirus
Strain: VH-C067
Original Source: Bear Canyon virus (BCNV), was first isolated from California mice (Peromyscus californicus) captured near the Riverside-Orange County line in California, USA in 1998. Detailed information on the origin of the VH-C067 strain is not available.

Comments: The taxonomy of the family Arenaviridae has recently been revised with the creation of a new genus (Reptarenavirus) and the renaming of the genus Arenavirus as Mammarenavirus. To remove ambiguity between species and virus names, previously accepted species names were replaced with non-Latinized binomial names distinct from the virus names. Thus, Bear Canyon mammarenavirus is the new taxonomic home of BCNV.

Although BCNV was originally isolated from the California mouse, later studies indicated that the big-eared woodrat (Neotoma macrotis) is the principal host. BCNV is a Tacaribe serocomplex virus. Although BCNV has not been definitively associated with human infections, Tacaribe complex viruses native to North America are implicated as causative agents of human disease in the United States.

Material Provided:
Each vial contains approximately 1 mL of clarified supernatant from Cercopithcus aethiops kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with Bear Canyon virus, VH-C067.

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

Packaging/Storage:
NR-12235 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: Eagle’s Minimum Essential Medium containing 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg/mL sodium bicarbonate, supplemented with 2% fetal bovine serum
Infection: Cells should be 60% to 90% confluent
Incubation: 10 to 14 days at 37°C and 5% CO2
Cytopathic Effect: None observed

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Bear Canyon Virus, VH-C067, NR-12235.”

Biosafety Level: 3

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References:
2. ICTV Taxonomy History for Bear Canyon mammarenavirus

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