Sandfly Fever Naples Virus

Catalog No. NR-15571

For research use only. Not for human use.

Contributor:
Sidney E. Grossberg, M.D., Professor, Department of Microbiology and Molecular Genetics, Medical College of Wisconsin, Milwaukee, Wisconsin, USA

Manufacturer:
BEI Resources

Product Description:

Virus Classification: Bunyaviridae, Phlebovirus

Species: Sandfly fever Naples virus (SFNV)

Comments: This isolate was deposited to the ATCC® after two passages in suckling mice and was adapted to growth in tissue culture by several passages in Cercopithecus aethiops (C. aethiops) kidney epithelial cells (Vero; ATCC® CCL-81™).

SFNV infections are endemic in the Middle East, Central Asia, and several Mediterranean countries. The virus is transmitted by the insect vectors Phlebotomus papatasi and Phlebotomus perfiliewi, and causes a febrile illness of several days duration characterized by headache and marked leukopenia. The virus was first isolated from a febrile patient in Italy in 1944.

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from C. aethiops kidney epithelial cells (Vero; ATCC® CCL-81™) infected with SFNV.

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

Packaging/Storage:

NR-15571 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 cells (ATCC® CCL-81™)

Growth Medium: Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine and 1 mM sodium pyruvate supplemented with 8% to 10% fetal bovine serum, or equivalent

Infection: Passage virus by co-cultivation; remove host cells from flasks with trypsin; thaw virus rapidly in a 37°C water bath; add diluted virus directly to cells and plate the cell-virus mixture in new flasks.

Incubation: 2 to 14 days at 37°C and 5% CO₂

Cytopathic Effect: Cell rounding and degeneration

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Sandfly Fever Naples Virus, NR-15571.”

Biosafety Level: 2


Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

BEI Resources

www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

© 2015 American Type Culture Collection (ATCC). All rights reserved

Page 1 of 2
References:

ATCC® is a trademark of the American Type Culture Collection.