

## Everglades Virus, FE3-7C

### Catalog No. NR-331

(Derived from ATCC® VR-1250™)

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

#### Contributor:

ATCC®

#### Product Description:

Virus Classification: *Togaviridae, Alphavirus*

Agent: Everglades virus

Strain/Isolate: FE3-7C

Original Source:<sup>1</sup> Isolated from a pool of *Culex (Melanoconion)* mosquitoes collected in the Florida Everglades in 1963

Comments: Everglades virus, FE3-7C was deposited at ATCC® as an infected mouse brain preparation by the National Institutes of Allergy and Infectious Diseases (NIAID), Bethesda, MD. The nucleotide sequence of the complete genome for Everglades virus, FE3-7C has been reported (GenBank: AF075251).<sup>2</sup>

#### Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from African green monkey kidney (Vero) cells infected with Everglades virus, FE3-7C.

#### Packaging/Storage:

NR-331 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice 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.

#### Recommended Growth Conditions:

Host: Vero cells

Growth Medium: Eagle's Minimum Essential Medium supplemented with 10% fetal bovine serum, 1% glutamine and 1% non-essential amino acids, or equivalent

Infection: Cells should be 70 to 90% confluent (not 100% confluent)

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

Cytopathic Effect: Cell rounding and cell lysis

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Everglades Virus, FE3-7C, NR-331."

#### 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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm). This publication recommends that all persons working in or entering laboratory or animal care areas where activities with Venezuelan equine encephalitis virus are being conducted should have documented evidence of satisfactory vaccination.

#### 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](http://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.

#### References:

1. Chamberlain, R. W., et al. "Venezuelan Equine Encephalitis Virus from South Florida." *Science* 145 (1964): 272-274. PubMed: 14171567.
2. Kinney, R. M., et al. Direct submission (1998). GenBank: AF075251.
3. Kinney, R. M., et al. "Nucleotide Sequences of the 26 S mRNAs of the Viruses Defining the Venezuelan Equine Encephalitis Antigenic Complex." *Am. J. Trop. Med. Hyg.* 59 (1998): 952-964. PubMed: 9886206.

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