Venezuelan Equine Encephalitis Virus, 70U80

**Catalog No. NR-21712**

For research use only. Not for human use.

**Contributor:** Scott C. Weaver, Ph. D., Director, Institute for Human Infections and Immunity, and Scientific Director, Galveston National Laboratory, University of Texas Medical Branch, Galveston, Texas, USA

**Manufacturer:** BEI Resources

**Product Description:**

*Virus Classification:* Togaviridae, Alphavirus

*Species:* Venezuelan equine encephalitis virus

*Strain:* 70U80

*Original Source:* Venezuelan equine encephalitis virus (VEEV), 70U80 was isolated on August 1, 1970 from a hamster in Izabal Departament, Guatemala. The virus was passaged once in suckling mice and subsequently in Vero African green monkey kidney cells.¹

*Comments:* VEEV have been classified into six major antigenic subtypes, and additional variants are described within subtypes I and III.² VEEV, 70U80 is a subtype IE virus.

**Material Provided:**

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with VEEV, 70U80.

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

**Packaging/Storage:**

NR-21712 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:* Dulbecco’s Modified Eagle’s Medium modified to contain 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1.5 g/L sodium bicarbonate, supplemented with 2% fetal bovine serum

*Infection:* Cells should be 90% to 100% confluent

*Incubation:* 2 to 8 days at 37°C and 5% CO₂

*Cytopathic Effect:* Rounding and detachment

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Venezuelan Equine Encephalitis Virus, 70U80, NR-21712.”

**Biosafety Level:** 3


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**References:**

1. Weaver, S. C., personal communication
2. Young N. A. and K. M. Johnson. “Antigenic Variants of Venezuelan Equine Encephalitis Virus: Their Geographic

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