Venezuelan Equine Encephalitis Virus, V178

Catalog No. NR-21716

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:** V178

**Original Source:** Venezuelan equine encephalitis virus (VEEV), V178 was isolated in 1961 from a horse in Cundinamarca, Colombia. The virus was passaged once in suckling mice and subsequently in Vero African green monkey kidney cells.1,2

**Comments:** VEEV have been classified into six major antigenic subtypes, and additional variants are described within subtypes I and III.3 VEEV, V178 is a subtype ID virus.1,3

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, V178.

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

Packaging/Storage:

NR-21716 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 6 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, V178, NR-21716.”

Biosafety Level: 3


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References:

1. Weaver, S. C., personal communication

BEI Resources
www.beiresources.org

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

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