

**Venezuelan Equine Encephalitis Virus,
71U384**

Catalog No. NR-21710

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Togaviridae, Alphavirus*

Species: Venezuelan equine encephalitis virus

Strain: 71U384

Original Source: Venezuelan equine encephalitis virus (VEEV), 71U384 was isolated in 1971 from a hamster in Santa Rosa Department, 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, 71U384 is a subtype IE virus.¹

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, 71U384.

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

Packaging/Storage:

NR-21710 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, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent

Infection: Cells should be 90% to 100% confluent

Incubation: 3 to 10 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, 71U384, NR-21710."

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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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

Distribution and Epidemiologic Significance." Am. J. Epidemiol. 89 (1969): 286–307. PubMed: 5773424.

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