

**Venezuelan Equine Encephalitis Virus,
309752**

Catalog No. NR-21717

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: 309752

Original Source: Venezuelan equine encephalitis virus (VEEV), 309752 was isolated in 1974 from a human in Lozania, Colombia. The virus was passaged once in chicken embryo cells, 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, 309752 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, 309752.

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

Packaging/Storage:

NR-21717 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, 309752, NR-21717."

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. Powers, A. M., et al. "Repeated Emergence of Epidemic/Epizootic Venezuelan Equine Encephalitis

- from a Single Genotype of Enzootic Subtype IE Virus." J. Virol. 71 (1997): 6697-6705. PubMed: 9261393.
3. 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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