Venezuelan Equine Encephalitis Virus, MX09-M64

Catalog No. NR-21708

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:

Virus Classification: Togaviridae, Alphavirus
Species: Venezuelan equine encephalitis virus
Strain: MX09-M64
Original Source: Venezuelan equine encephalitis virus (VEEV), MX09-M64 was isolated on July 2, 2009 from a mosquito (Culex taeniopus) in Tacoteno, Minatitlan, Veracruz State, Mexico. The virus was passaged 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, MX09-M64 is a subtype IE virus.1,2

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, MX09-M64.

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

Packaging/Storage:
NR-21708 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: 2 to 5 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, MX09-M64, NR-21708.”

Biosafety Level: 3

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References:
1. Weaver, S. C., Personal Communication.

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