Melao Virus, TRVL 9375

Catalog No. NR-542
(Derived from ATCC® VR-761™)

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:
Virus Classification: Bunyaviridae, Orthobunyavirus, California encephalitis virus
Species: Melao virus
Strain/Isolate: TRVL 9375

Original Source: Isolated in 1955 from mosquitoes (Aedes scapularis) collected in the Melajo Forest in northeastern Trinidad

Comments: Melao virus, TRVL 9375 was deposited at ATCC® in 1973 by Robert E. Shope, M.D., Director, Yale Arbovirus Research Unit, Yale University School of Medicine, New Haven, Connecticut. The complete nucleotide sequences of the small (S; GenBank: U12802)2 and medium (M; GenBank: U88057)3 RNA segments of Melao virus, TRVL 9375 have been determined. The S RNA segment codes for both the nucleocapsid protein (GenPept: AAB60559)2 and a nonstructural protein (GenPept: AAB60560), while the M RNA segment codes for a polyprotein (GenPept: AAB93843).3

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells infected with Melao virus, TRVL 9375.

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

Packaging/Storage:
NR-542 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 at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: Cercopithecus aethiops kidney epithelial cells (Vero; ATCC® CCL-81™)
Growth Medium: Minimum Essential Medium supplemented with 2% fetal bovine serum, 2 mM L-glutamine, and 1 mM sodium pyruvate, or equivalent (lot-specific details are on the Certificate of Analysis)

Infection: Cells should be 80% to 90% confluent
Incubation: 5 to 7 days at 37°C and 5% CO2
Cytopathic Effect: Cell rounding and detachment

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Melao Virus, TRVL 9375, NR-542.”

Biosafety Level: 2


Disclaimers:
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References:


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