Product Information Sheet for NR-541

Tahyna Virus, 92

Catalog No. NR-541
(Derived from ATCC® VR-745™)

For research use only. Not for human use.

Contributor:
ATCC®

Product Description:
Virus Classification: *Bunyaviridae, Orthobunyavirus, California encephalitis virus*
Agent: Tahyna virus
Strain/Isolate: 92
Original Source: Isolated in 1958 from female mosquitoes (*Aedes caspius*) collected in the village of Ťahyňa in Czechoslovakia[1]
Comments: Tahyna virus, 92 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: U47142)[2] and medium (M; GenBank: AF123485)[3] RNA segments of Tahyna virus, 92 have been determined. The S RNA segment codes for both the nucleocapsid protein (GenPept: AAC55340)[2] and a nonstructural protein (GenPept: AAC55341),[2] while the M RNA segment codes for a polyprotein (GenPept: AAD53041).[3]

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from African green monkey kidney (Vero) cells infected with Tahyna virus, 92.

Packaging/Storage:
NR-541 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen on dry ice 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: 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 (not 100% confluent)
Incubation: 2 to 4 days at 37°C and 5% CO_2
Cytopathic Effect: Cell rounding and detachment

Citation:
Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Tahyna Virus, 92, NR-541."

Biosafety Level: 2
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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm.

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References:

1. Bardos, V. and V. Danielova. "The Tahyna Virus - A Virus Isolated from Mosquitoes in Czechoslovakia." J. Hyg. Epidemiol. Microbiol. Immunol. 3 (1959): 264–276. PubMed: 13796705.

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2. Huang, C., R. E. Shope, B. Spargo, and W. P. Campbell. "The S RNA Genomic Sequences of Inkoo, San Angelo, Serra do Navio, South River and Tahyna Bunyaviruses." J. Gen. Virol. 77 (1996): 1761–1768. PubMed: 8760423.
3. Campbell, W. P. and C. Huang. "Sequence Comparisons of Medium RNA Segment among 15 California Serogroup Viruses." Virus Res. 61 (1999): 137–144. PubMed: 10475083.

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