La Crosse Virus

Catalog No. NR-540
(Derived from ATCC® VR-744™)

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Contributor:
ATCC®

Product Description:

Virus Classification: Bunyaviridae, Orthobunyavirus,
California encephalitis virus

Agent: La Crosse virus

Original Source: Isolated from post-mortem brain tissue of a 4-year-old child that died of meningoencephalitis in La Crosse, Wisconsin, 1960

Comments: La Crosse virus 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 large (L; GenBank: AF528165; U12396), 2,3 medium (M; GenBank: AF528166), 2,4,5 and small (S; GenBank: AF528167)2,6 RNA segments of La Crosse virus have been determined.

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

Packaging/Storage:
NR-540 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: Eagle’s Minimum Essential Medium supplemented with 2% fetal bovine serum, or equivalent (lot-specific details are on the Certificate of Analysis)

Infection: Cells should be 80 to 90% confluent (not 100% confluent)

Incubation: 1 to 3 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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: La Crosse Virus, NR-540.”

Biosafety Level: 2


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References:


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