Lumbo Virus, AR 1881 (SA Ar 1881)

Catalog No. NR-533
(Derived from ATCC® VR-401™)

For research use only. Not for human use.

Contributor: ATCC®

Manufacturer: BEI Resources

Product Description:
Virus Classification: Bunyaviridae, Orthobunyavirus, California encephalitis virus
Species: Lumbo virus
Strain/Isolate: AR 1881 (SA Ar 1881)

Original Source: Isolated in 1959 from mosquitoes [Aedes (Skusea) pembaensis] collected at Lumbo, Mozambique.

Comments: Lumbo virus, AR 1881 (SA Ar 1881) was deposited at ATCC® in 1968 by Yale Arbovirus Research Unit, Yale University School of Medicine, New Haven, Connecticut. The complete nucleotide sequences of the small (S; GenBank: X73468) and medium (M; GenBank: AF123484) RNA segments of Lumbo virus have been determined. The S RNA segment codes for both the nucleocapsid protein (GenPept: CAA51851) and a nonstructural protein (GenPept: CAA51852), while the M RNA segment codes for a polyprotein (GenPept: AAD53040).

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells infected with Lumbo virus, AR 1881 (SA Ar 1881).

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

Packaging/Storage:
NR-533 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: 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: 2 to 4 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: Lumbo Virus, AR 1881 (SA Ar 1881), NR-533.”

Biosafety Level: 2

Disclaimers:
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References:

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