

Oliveros Virus, ArRo-6944

Catalog No. NR-10171

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For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

Virus Classification: *Arenaviridae*, *Arenavirus*

Species: Oliveros virus

Strain: ArRo-6944

Original Source: Oliveros virus (OLVV) was originally isolated in 1990 from the tissues of a dark bolo mouse (*Bolomys obscurus*) trapped in the town of Oliveros on the central Argentine pampa, just north of the Argentine Hemorrhagic Fever endemic area.^{1,2}

Comments: The ArRo-6944 strain of OLVV was obtained by Dr. Calisher from Dr. Robert Tesh of the University of Texas Medical Branch at Galveston. Oliveros virus has not been associated with human disease.³ Both the large (L) [GenBank: AY216514] and small (S) [GenBank: U34248] RNA genome segments of OLVV have been sequenced.^{1,4}

Material Provided:

Each vial contains approximately 1 mL of clarified supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with Oliveros virus, ArRo-6944.

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

Packaging/Storage:

NR-10171 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 E6 cells (ATCC® CRL-1586)

Growth Medium: Eagle's Minimum Essential Medium supplemented with 2% fetal bovine serum, 1% L-glutamine and 1% sodium pyruvate, or equivalent

Infection: Cells should be 90% to 95% confluent

Incubation: approximately 14 days at 37°C and 5% CO₂

Cytopathic Effect: None observed

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Oliveros Virus, ArRo-6944, NR-10171."

Biosafety Level: 3

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Bowen, M. D., et al. "Oliveros Virus: A Novel Arenavirus from Argentina." *Virology* 217 (1996): 362-366. PubMed: 8599223.

2. Mills, J. N., et al. "Characterization of Oliveros Virus, a New Member of the Tacaribe Complex (Arenaviridae: Arenavirus)." *Am. J. Trop. Med. Hyg.* 54 (1996): 399-404. PubMed: 8615455.
3. Bowen, M. D., C. J. Peters, and S. T. Nichol. "The phylogeny of New World (Tacaribe Complex) Arenaviruses." *Virology* 219 (1996): 285-290. PubMed: 8623541.
4. Charrel, R. N., et al. "New Insights into the Evolutionary Relationships between Arenaviruses Provided by Comparative Analysis of Small and Large Segment Sequences." *Virology* 317 (2003): 191-196. PubMed: 14698659.

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