Product Information Sheet for NR-10174

Cupixi Virus, BeAn 119303

Catalog No. NR-10174

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For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Arenaviridae*, *Arenavirus*
Species: Cupixi virus
Strain: BeAn 119303
Original Source: Cupixi virus (CPXV), BeAn 119303 was originally isolated in 1970 from a rice rat (*Oryzomys capito*) in northeastern Brazil.[1]
Comments: The BeAn 119303 strain of CPXV was obtained by Dr. Calisher from Dr. Robert Tesh of the University of Texas Medical Branch at Galveston. CPXV has not been associated with human disease.[1] Both the large (L) [GenBank: EU627611] and small (S) [GenBank: AF512832] RNA genome segments of CPXV have been sequenced.[1-3]

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with Cupixi virus, BeAn 119303.

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

Packaging/Storage:

NR-10174 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 containing 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg/mL sodium bicarbonate, supplemented with 2% fetal bovine serum
Infection: Cells should be 60% to 70% confluent
Incubation: 11 to 14 days at 37°C and 5% CO_2
Cytopathic Effect: Little or none observed

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Cupixi Virus, BeAn 119303, NR-10174."

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. Charrel, R. N., et al. "Phylogeny of New World Arenaviruses Based on the Complete Coding Sequences of the Small Genomic Segment Identified an Evolutionary Lineage Produced by Intrasegmental Recombination." Biochem. and Biophys. Res. Commun. 296 (2002): 1118-1124. PubMed: 12207889.
2. 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.
3. Charrel, R. N., X. de Lamballerie, and S. Emonet. "Phylogeny of the Genus Arenavirus." Curr. Opin. Microbiol. 11 (2008): 362-368. PubMed: 18602020.

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