

Chikungunya Virus, SL-15649

Catalog No. NR-36432

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Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Togaviridae, Alphavirus*

Species: Chikungunya virus

Strain: SL-15649

Original Source: Chikungunya virus (CHIKV), SL-15649 was isolated in 2008 from a human serum sample collected from a febrile patient in 2006 in Sri Lanka^{1,2}

Comments: This virus was derived from a molecular clone of CHIKV, SL-15649.^{1,2} The genome sequence of the clone matches that of the original isolate.¹

Chikungunya fever is a febrile illness often accompanied by relapsing and incapacitating polyarthralgia. In recent years, CHIKV has spread widely throughout Africa and Asia resulting in morbidity in millions of infected individuals. There are currently no recognized antiviral therapies or human vaccines with which to control infections due to CHIKV.³

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero) infected with CHIKV, SL-15649.

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

Packaging/Storage:

NR-36432 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°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.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Chikungunya Virus, SL-15649, NR-36432."

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. Mark T. Heise, personal communication
2. Morrison, T. E., et al. "A Mouse Model of Chikungunya Virus-Induced Musculoskeletal Inflammatory Disease - Evidence of Arthritis, Tenosynovitis, Myositis, and Persistence." *Am. J. Pathol.* 178 (2011) 32-40. PubMed: 21224040.
3. Gould, E. A., et al. "Understanding the Alphaviruses: Recent Research on Important Emerging Pathogens and Progress Towards Their Control." *Antiviral Res.* 87 (2010) 111-124. PubMed: 19616028.

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