

Chikungunya Virus, R-91142

Catalog No. NR-13221

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Contributor and Manufacturer:

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Product Description:

Virus Classification: *Togaviridae, Alphavirus*

Species: Chikungunya virus

Strain: R-91142

Original Source: Chikungunya virus (CHIKV), R-91142 was isolated from a human returning from India to the United States during 2006.¹

Chikungunya fever is a febrile illness often accompanied by relapsing and incapacitating polyarthralgia. In recent years, chikungunya virus (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.²

Material Provided:

Each vial contains approximately 0.5 mL to 1.0 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6) infected with chikungunya virus, R-91142.

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

Packaging/Storage:

NR-13221 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, R-91142, NR-13221."

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/bmb15/index.htm.

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References:

1. Lanciotti, R. S., et al. "Chikungunya Virus in US Travelers Returning from India, 2006." Emerg. Infect. Dis. 13 (2007): 764-767. PubMed: 17553261.
2. 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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