Chikungunya Virus, 181/25

Catalog No. NR-13222
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Product Description:
Virus Classification: Togaviridae, Alphavirus
Species: Chikungunya virus
Strain: 181/25
Original Source: Chikungunya virus (CHIKV), 181/25 is a live-attenuated derivative of strain AF15561, which was originally isolated from a human in Thailand in 1962.1,3 Attenuation of 181/25 is mediated by two amino acid substitutions in the E2 glycoprotein.4

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.5

Material Provided:
Each vial contains approximately 0.5 mL to 1.0 mL of supernatant from Cercopithecus aethiops kidney epithelial cells (Vero E6) infected with CHIKV, 181/25.

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

Packaging/Storage:
NR-13222 was packaged aseptically in screw-capped plastic c-pres. 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, 181/25, NR-13222.”

Biosafety Level: 2

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References:
5. Gould, E. A., et al. “Understanding the Alphaviruses: Recent Research on Important Emerging Pathogens and...

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