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Zika Envelope N

Zika Envelope N-Terminal Recombinant
VAG0507

Product Overview

Name	Zika Envelope N

Description

Zika Envelope N-Terminal Recombinant

Introduction

Zika virus (ZIKV) belongs to the family Flaviviridae and the genus Flavivirus, it is transmitted by daytime-active Aedes mosquitoes, such as A. aegypti and A. albopictus. The Zika virus is related to the dengue, yellow fever, Japanese encephalitis, and West Nile viruses. Much like the other flaviviruses, Zika virus is enveloped and icosahedral and has a nonsegmented, single-stranded, positive-sense RNA genome. Zika fever is an infection, which often causes no symptoms or only mild ones, like a mild form of dengue fever, and it is treated by rest. As of February 2016, there has been mounting evidence that Zika fever in pregnant women can cause abnormal brain development in their fetuses by mother-to-child transmission, which may result in miscarriage or microcephaly, however it is not yet known whether Zika virus causes microcephaly. Furthermore, a connection has been established with neurologic conditions in infected adults, including Guillain–Barre syndrome. Since the 1950s, Zika virus has been detected only within a narrow equatorial belt from Africa to Asia. Between the years 2013 and 2014, Zika virus has spread eastward across the Pacific Ocean to French Polynesia, New Caledonia, the Cook Islands, and Easter Island, and in 2015 to Mexico, Central America, the Caribbean, and South America, where the Zika outbreak has reached pandemic levels.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered solution.

Formulation

Zika Envelope N protein solution contains PBS with 0.05% NaN3.

Stability

Zika Envelope N protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

Zika Envelope N protein is >95% pure as determined by SDS-PAGE.

Applications

Each laboratory should determine an optimum working titer for use in its particular application.

Precautions

Zika Envelope N is for research use only and not for use in diagnostic or therapeutic procedures.