

Product Information

Zika Virus-like Particles (Zika VLPs)

Cat. No.: **VLP-006YF**

This product is for research use only and is not intended for diagnostic use.

Recombinant Zika Virus-like Particles (Zika VLPs) are produced in mammalian HEK293 human cells, assembled with envelope, pre-Membrane and Membrane protein. VLP is mimicking the native 3D structure of viruses which can elicit strong immune responses. However, VLPs lack viral genomic material which makes them non-infectious, unable to replicate and enhance the safety during manufacture and administration. Zika VLPs can be used in the development of ZIKV diagnostics and in vaccine development and R&D (including use as an immunogen).

Product Specifications

Structural Proteins

Envelope, pre-Membrane and Membrane protein

Expression Systems

HEK293 (please specify if other expression system is needed)

Purity

>95%

Buffer

DPBS pH 7.4, 20% sucrose

Form

Liquid

Alternative Names

Zika; Zika virus; ZIKV; VLP; Virus-like particle

Storage

Store at -80 °C long term. Avoid repeated freeze/thaw cycles.

Virus Background

Virus Family

Flaviviridae

Virus Species

Zika virus

Virus Strain

Suriname Z1106033

Virus Overview

Zika virus (ZIKV) is a member of the virus family Flaviviridae. It is spread by daytime-active Aedes mosquitoes. Its name comes from the Ziika Forest of Uganda, where the virus was first isolated in 1947. Zika virus shares a genus with the dengue, yellow fever, Japanese encephalitis, and West Nile viruses. The infection, known as Zika fever or Zika virus disease, often causes no or only mild symptoms, similar to a very mild form of dengue fever.

Virus Structure

Enveloped, single-stranded, positive-sense RNA virus

Related Disease

Zika virus disease