SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

Lassa Lineage II Virus-like Particles (LASV II VLPs)

Cat. No.: **VLP-029YF**
This product is for research use only and is not intended for diagnostic use.

Recombinant Lassa Lineage II Virus-like Particles (LASV II VLPs) are produced in mammalian HEK293 cells, assembled with Z, GPC and NP antigens. 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. LASV II VLPs can be used in the development of LASV II diagnostics and in vaccine development and R&D (including use as an immunogen).

Product Specifications

Structural Proteins

Z, GPC and NP proteins

Expression Systems

HEK293 expression system

Buffer

Tris NaCl containing EDTA, glycerol, arginine and glutamic acid

Form

Liquid

Alternative Names

Lassa Lineage II virus-like particles; LASV II VLPs; Lassa Lineage II virus; LASV II virus-like particles; VLPs; Virus-like Particles

Storage

Store at 4°C short term (2-4 weeks). Store at -80 °C long term. Avoid repeated freeze/thaw cycles.

Virus Background

Virus Family

Arenaviridae

Virus Species

Lassa Virus Lineage II

Virus Overview

Lassa virus, an Old World arenavirus (family Arenaviridae), is the etiological agent of Lassa fever, a severe human disease that is reported in more than 100,000 patients annually in the endemic regions of West Africa with mortality rates for hospitalized patients varying between 5-10%. Lassa virus causes Lassa fever, a hemorrhagic disease characterized by fever, generalized weakness, muscle pain, nausea and vomiting with mucosal bleeding. Arenaviruses have

pleomorphic virions from 40 to more than 200 nm in diameter that consist of nucleocapsid surrounded by a lipid envelope.

Virus Structure

Enveloped, single-stranded, and bi-segmented RNA virus

Related Disease

Lassa hemorrhagic fever

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-416-1478 Fax: 1-631-207-8356