

Product Information

Enterovirus 71 Virus-like Particles (EV71 VLPs)

Cat. No.: **VLP-004YF**

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

Recombinant Enterovirus 71 Virus-like Particles (EV71 VLPs) are produced in Baculovirus/Insect cell expression system. 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. EV71 VLPs can be used in the development of EV71 diagnostics and in vaccine development and R&D (including use as an immunogen).

Product Specifications

Expression Systems

Baculovirus/Insect cell expression system (please specify if other expression system is needed)

Form

Liquid

Alternative Names

Enterovirus 71; EV71; Enterovirus A71; EV-A71; VLP; Virus-like particle

Storage

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

Virus Background

Virus Family

Picornaviridae

Virus Species

Enterovirus A

Virus Overview

Enterovirus 71 (EV71), also known as Enterovirus A71 (EV-A71), is a virus of the genus Enterovirus in the Picornaviridae family, notable for its role in causing epidemics of severe neurological disease and hand, foot, and mouth disease in children. It was first isolated and characterized from cases of neurological disease in California in 1969. Enterovirus 71 infrequently causes polio-like syndrome permanent paralysis.

Virus Structure

Non-enveloped, positive-sense, single-stranded RNA virus

Related Disease

Hand, foot and mouth disease (HFMD)