

# Product Information

## Enterovirus 71 (EV71) Inactivated Virus

Cat. No.: **VLP-048YF**

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

Enterovirus 71 stock is produced by cell culture and formulated with purified, intact viral particles. The virus particles have been chemically modified to render them non-infectious and refrigerator stable. The inactivation was verified in a standard microbiological growth protocol. EV71 stock can be used in the development of EV71 diagnostics and in vaccine development and R&D.

### Product Specifications

#### Expression Systems

Cell culture

#### Purity

>90%

#### Form

Liquid

#### Alternative Names

Enterovirus 71; EV71; Enterovirus 71 antigen; EV71 antigen

#### 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)