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Product Information

Herpes Simplex Virus 2 (HSV-2) Inactivated Virus

{AlternativeNames}

Cat. No.: **VLP-061YF**
This product is for research use only and is not intended for diagnostic use.

Herpes simplex virus 2 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. HSV-2 stock can be used in the development of HSV-2 diagnostics and in vaccine development and R&D.

Product Specifications

Expression Systems

Cell culture

Form

Liquid

Alternative Names

Herpes simplex virus 2; HSV-2; Herpes simplex virus 2 antigen; HSV-2 antigen; Human alphaherpesvirus 2; HHV-2; Human alphaherpesvirus 2 antigen; HHV-2 antigen

Storage

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

Virus Background

Virus Family

Herpesviridae

Virus Species

Herpes simplex virus 2

Virus Overview

The structure of herpes viruses consists of a relatively large, double-stranded, linear DNA genome encased within an icosahedral protein cage called the capsid, which is wrapped in a lipid bilayer called the envelope. The envelope is joined to the capsid by means of a tegument. This complete particle is known as the virion. HSV-1 and HSV-2 each contain at least 74 genes within their genomes, although speculation over gene crowding allows as many as 84 unique protein coding genes by 94 putative ORFs. These genes encode a variety of proteins involved in forming the capsid, tegument and envelope of the virus, as well as controlling the replication and infectivity of the virus.

Virus Structure

Enveloped, double-stranded, linear DNA virus

Related Disease

Herpes

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