

Product Information

Type 1 Poliovirus (PV-1, sIPV-1) Inactivated Virus

Cat. No.: **VLP-062YF**

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

sIPV-1 antigen 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. sIPV-1 antigen stock can be used in the development of PV-1 diagnostics and in vaccine development and R&D.

Product Specifications

Expression Systems

Cell culture

Form

Liquid

Alternative Names

Type 1 Poliovirus; PV-1; sIPV-1; Type 1 Poliovirus antigen; PV-1 antigen, sIPV-1 antigen

Storage

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

Virus Background

Virus Family

Picornaviridae

Virus Species

Enterovirus C

Virus Overview

Poliovirus (PV) is the causative agent of polio, which is also known as poliomyelitis. Poliovirus is a serotype of the species Enterovirus C, in the family of Picornaviridae. PV is composed of an RNA genome and a protein capsid. The genome is a single-stranded positive-sense RNA genome that is about 7500 nucleotides long. The viral particle is about 30 nm in diameter with icosahedral symmetry. Because of its short genome and its simple composition-only RNA and a nonenveloped icosahedral protein coat that encapsulates it, poliovirus is widely regarded as the simplest significant virus.

Virus Structure

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

Related Disease

Polio disease