

Native Herpes Simplex Virus 1 Lysate Antigen

Cat. No. HER-286 Lot. No. (See product label)

SPECIFICATION

Product Overview

Herpes Simplex virus (HSV) 1 antigen is prepared by culture of virus in mammalian cells using a protocol optimised for maximum particle yield.

Background

Human herpes simplex virus (HSV), also known as human herpes virus (HHV), is a large enveloped double stranded DNA virus that belongs to the Herpesviridae family, subfamily Alphaherpesvirinae. Human HSV exists as two distinct serotypes, herpes simplex virus type -1 (HSV-1) and type -2 (HSV-2). Both HSV-1 and HSV-2 are neurotrophic viruses that invade the central nervous system (CNS), where they replicate, and have the capacity to establish a latent infection (Nicoll, MP et al). HSV-1 and HSV-2 are primarily transmitted from human-to-human through contact with mucosal surfaces and damaged skin, which are common sites of primary HSV infection. However, the route and site of infection differs for each serotype with some reported overlap. Typically, HSV-1 is transmitted through oral-to-oral contact giving rise to infection in the lips, eyes and oropharyngeal mucosa but HSV-1 infection can also occur in the genital tract through oral-genital contact. HSV-2 tends to be sexually transmitted via contact with infected mucosa or damaged skin associated with the genital tract. In most cases, individuals infected with either HSV-1 or HSV-2 for the first time remain asymptomatic or present with painful blisters or ulcers at the site of infection.

Both HSV-1 and HSV-2 are widespread, lifelong infections. Some symptoms of infection can be alleviated using antiviral medication but currently no prophylactic vaccine exists for either HSV-1 or HSV-2 (WHO factsheet).

Purity

PBS cell lysate, freeze/thawed and clarified by centrifugation

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Sequence Strain	Herpes Simplex Virus type 1, strain 17+
Inactivation	0.1% Triton X-100. Tested by attempted passage in permissive cells showing no detectable CPE for 5 days.
Formulation	PBS+0.1% Triton x-100
Storage	Short Term Storage: Store frozen at less than -20 centigrade, preferably -80 centigrade Long Term Storage: Store frozen at less than -20 centigrade, preferably -80 centigrade
Concentration	1.1 mg/mL by BCA assay
Notes	This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
Type	Native
ClassID 1	Infectious Disease
GENE INFORMATION	
Synonyms	HSV 1