

Datasheet: MPP010

Description:	HERPES SIMPLEX VIRUS 1
Name:	HERPES SIMPLEX VIRUS 1
Other names:	HSV1
Format:	Inactivated Pathogen
Product Type:	Antigen
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Viral

Product Form

Clarified crude lysate containing HSV1 particles and proteins - liquid.

Preparation

HSV1 is propagated in mammalian cells using a protocol optimised for maximum particle yield. At the appropriate time, infected cells are washed in saline and disrupted to release virus particles by freeze thaw and sonication.

Virus particles released from cells are partially purified by low speed centrifugation to remove cell debris. The product is then inactivated by heating to 56°C for 2 hours and by the addition of 0.01% Triton X-100. Inactivity is confirmed by double blind passage.

Buffer Solution

Phosphate buffered saline
0.1% Triton X-100

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.1 mg/ml as determined by BCA assay.

Product Information

Herpes simplex Virus 1 preparation is a cell lysate that is useful for a range of techniques, but contains soluble cytoplasmic proteins from the production cells.

Herpes simplex virus 1 (HSV1) is a member of the Herpesviridae viral family. It is a neurotropic

virus that causes watery blisters on the skin or mucous membranes of humans. It is contagious and can be spread by close contact with an infected person who is producing and shedding virus from the skin. The virus is mostly latent in nerve cells of the body, but can occasionally travel to the skin, start shedding and may or may not produce the characteristic blisters. HSV1 is normally associated with cold sores on the mouth or lips, but may also be found on the genitals. There is no known cure for HSV infection and an infected person remains a carrier for life, however treatment can reduce viral shedding.

Activity This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.

Storage Store at -70°C.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10524 available at:
10524: <https://www.bio-rad-antibodies.com/uploads/MSDS/10524.pdf>

Regulatory For research purposes only

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