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HSV-1 (MacIntyre Strain) Purified Viral Lysate

Catalog Number: 10-145-000

Lot Number: C1105

Product Description: Herpes Simplex Virus type 1 (MacIntyre strain) purified virus lysed with Triton X-100.

Cell Line for Propagation: Vero Cells

Unit Size: 1.0 mg

Fill Volume: 900 μ L

Suspending Buffer: 10 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 7.5, with 0.5% Triton X-100.

QUALITY CONTROL DATA

Sterility Tests: Bacteria, yeasts, and fungi were not detected (USP-NF). Mycoplasma was not detected by MycoAlert™ Mycoplasma Detection Kit (Lonza, LT07).

Protein Concentration: 1.2 mg/mL determined by Pierce BCA protein assay using BSA standard. Alternative methods for determining protein concentration may give different values.

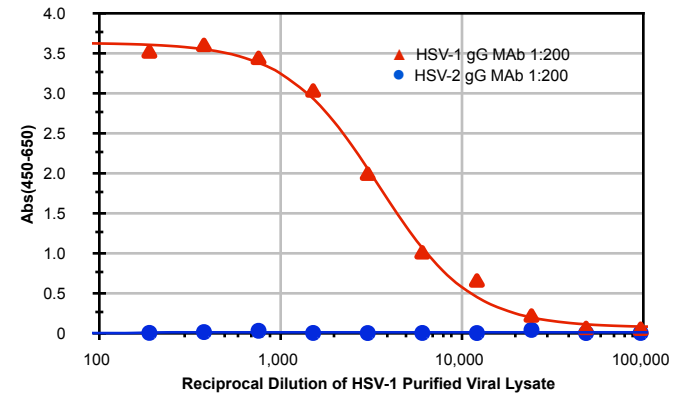
Virus Particle Count: 2.1×10^{10} vp/mL (active virus, prior to lysis).

Validation of Inactivation: This lot of viral lysate has been specifically tested for residual infectivity and no infectious virus was detected. The lysate was titrated in Vero cells over a 7-day period with endpoint determination by cytopathic effect (CPE). Purified Virus of the same viral stock and mock-infected Vero cells were included as positive and negative controls, respectively, for the assay. The positive control yielded an infectivity titer of $10^{9.5}$ TCID₅₀/mL.

ELISA Testing: 11,330 units*/mL using HSV-1 gG MAb.
0 units*/mL using HSV-2 gG MAb.

*A unit is defined as the reciprocal dilution that gives an absorbance of 0.5000 in our test system. (See below).

ELISA Reactivity of HSV-1 Viral Lysate Lot C1105 with HSV-1 gG MAb (Virusys Cat. No. H1A020-100) and HSV-2 gG MAb (USBIO Cat No. H2033-31K)



Western Blot Testing: Reactive in Western blot using HSV-1 gG MAb.

PRODUCT DETAILS

Shipping and Storage: This product is shipped frozen on dry ice. **Store at -70°C upon receipt.** Avoid multiple freeze-thaw cycles as product degradation may result.

Recommendations: Upon thawing, if any precipitate of proteinaceous material is observed, pulse vortex until the precipitate is completely resuspended. Use immediately following resuspension.

Safe Handling Recommendation:

This inactivated biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. (CDC) 21-1112.

References:

1. Brockman, M.A., et al. Herpes simplex virus vectors elicit durable immune responses in the presence of preexisting host immunity. *Journal of Virology* 2002; 76: 3678-3687.
2. Adler, H., et al. Suppression of herpes simplex virus type 1 (HSV-1)-induced pneumonia in mice by inhibition of inducible nitric oxide synthase (iNOS, NOS2). *The Journal of Experimental Medicine* 1997; 185: 1533-1540.

This product is for research use only.
Not for use in diagnostic procedures.


Quality Control

07-13-2015
Date

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CERTIFICATE OF ANALYSIS