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HSV-1 (MacIntyre Strain) Purified Virus

Catalog Number: 10-110-000

Lot Number: C0910

Product Description: Herpes Simplex Virus type 1 (MacIntyre strain) propagated in Vero cells and purified from culture supernatant and cells showing cytopathic effect.

Unit Size: 1.0 mg

Fill Volume: 1.0 mL

Suspending Buffer: 10 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 7.5

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
(VPC)
by TEM:** 2.1×10^{10} vp/mL

TCID₅₀ Titer: $10^{9.5}$ TCID₅₀/mL.
HSV-1 is titrated in Vero cells over a period of 7 days with endpoint determination by cytopathic effect (CPE). Titer is calculated using the Karber method.

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, centrifuge the vial for a few seconds to remove residual droplets from the lid.

Safe Handling Recommendation: This preparation of HSV-1 is a **BIOHAZARDOUS** material containing **ACTIVE VIRUS** and should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS publication No. (CDC) 21-1112.

References:

1. Allawi, H.T., et al. Invader plus method detects Herpes simplex virus in cerebrospinal fluid and simultaneously differentiates types 1 and 2. Journal of Clinical Microbiology 2006; 44: 3443-3447.
2. Sutherland, M.R., et al. Thrombin enhances herpes simplex virus infection of cells involving protease-activated receptor 1. Journal of Thrombosis and Haemostasis 2007; 5: 1055-1061.

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


Quality Control

07-13-2015
Date

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