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HIV-2 (NIH-Z Strain) Purified Virus

Catalog Number: 10-127-000

Lot Number: 5B0021-PV

Product Description: Human Immunodeficiency Virus type 2 (NIH-Z strain) propagated in HuT 78 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: 7.2×10^{10} vp/mL

TCID₅₀ Titer: $10^{6.0}$ TCID₅₀/mL
HIV-2 is titrated in HuT 78 cells over a period of 14 days with endpoint-determination by cytopathic effect (CPE) and p27 antigen capture ELISA. 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.

Recommendation: Upon thawing, centrifuge the vial for a few seconds to remove residual droplets from the lid.

Safe Handling Recommendation: This preparation of HIV-2 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. Zheng, N.N., et al. Role of human immunodeficiency virus (HIV)-specific t-cell immunity in control of dual HIV-1 and HIV-2 infection. *Journal of Virology* 2007; 81: 9061-9071.
 2. Zhang, Z., et al. A novel nonnucleoside analogue that inhibits human immunodeficiency virus type 1 isolates resistant to current nonnucleoside reverse transcriptase inhibitors. *Antimicrobial Agents and Chemotherapy* 2007; 51: 429-437.
 3. Zhang, Z., et al. Novel nonnucleoside inhibitors that select nucleoside inhibitor resistance mutations in human immunodeficiency virus type 1 reverse transcriptase. *Antimicrobial Agents and Chemotherapy* 2006; 50: 2772-2781.

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



Quality Control

07-13-2015

Date

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