HIV-1 (IIIB Strain) Purified Virus VPC

Catalog Number:	19-118-200
Lot Number:	G0604
Product Description:	Human Immunodeficiency Virus type 1 (IIIB Strain) propagated in H9 cells and purified from culture supernatant and cells showing cytopathic effect. Quantitated by Transmission Electron Microscopy (TEM).
Unit Size/Fill Volume:	200 µL
Suspending Buffer:	10 mM Tris, 150 mM NaCl, 0.01% BSA pH 7.5

QUALITY CONTROL DATA

Sterility Tests:	Bacteria, yeast, fungi (USP-NF) and mycoplasma were not detected.
Virus Particle Count (VPC) by TEM:	6.5×10^7 vp/mL
HIV-1 RNA Concentration by RT-qPCR:	2.5×10^9 IU/mL Concentration is standardized to World Health Organization International Standard for HIV-1 RNA.

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 HIV-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. 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. Mulato, A.S., et al. Nonsteroidal anti-inflammatory drugs efficiently reduce the transport and cytotoxicity of adefovir mediated by the human renal organic anion transporter 1. The Journal of Pharmacology and Experimental Therapeutics 2000; 295: 10-15.

3. Gulzar, N, et al. Infection of CD8+CD45RO+memory t-cells by HIV-1 and their proliferative response. The Open AIDS Journal 2008; 2: 43-57.

4. Cihlar, T, et al. Design and profiling of GS-9148, a novel nucelotide analog active against nucleoside-resistant variants of human immunodeficiency virus type 1, and its orally bioavailable phosphonoamidate prodrug, GS-9131. Antimicrobial Agents and Chemotherapy 2008; 52: 655-665.

5. Neurath, RA, et al. Role of seminal plasma in the anti-HIV-1 activity of candidate mircrobicides. BMC Infectious Diseases 2006; 6: 150.

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

10-27-2016

Quality Control — Date

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