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HIV-1 (IIIB Strain) Purified Viral Lysate

Catalog Number: 10-119-000

Lot Number: C0706

Product Description: Human Immunodeficiency Virus type 1 (IIIB strain) purified virus lysed with Triton X-100.

Cell Line for Propagation: H9 Cells

Unit Size: 1.0 mg

Fill Volume: 0.9 ml

Suspending Buffer: 10 mM Tris, 150 mM NaCl, 1 mM EDTA, pH 7.5 with 1% 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).

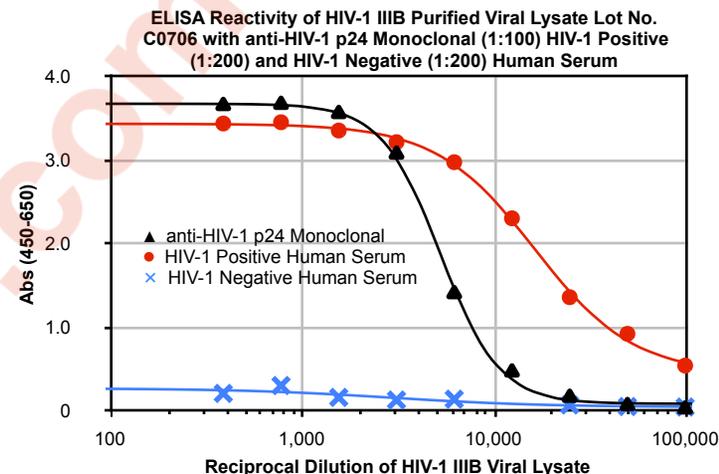
Protein Concentration: 1.2 mg/ml determined by Pierce BCA protein assay using BSA standard. Alternative methods for determining protein concentration may give different values.

Virus Particle Count (VPC) by TEM: 6.7×10^{10} vp/ml (active virus prior to lysis)

p24 Concentration: 117 µg/ml determined by HIV-1 p24 antigen capture ELISA.

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 H9 cells over a 28-day period with endpoint determination by cytopathic effect (CPE) and p24 antigen capture ELISA. Purified virus of the same viral stock and mock-infected H9 cells were included as positive and negative controls, respectively, for the assay. The positive control yielded an infectivity titer of $10^{6.8}$ TCID₅₀/ml.

ELISA Testing: 10,630 units*/ml using anti-HIV-1 p24 MAb.
162,325 units*/ml using HIV-1 Positive Human Serum.
0 units*/ml using HIV-1 Negative Human Serum.
*A unit is defined as the reciprocal dilution that gives an absorbance of 0.500 in our test system.



Western Blot Testing: Reactive in Western blot at 2 µg using MAb HIV p24 (1:200) and at 20 µg using MAb HIV-1 gp120 (1:200).

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 Recommendations: This inactivated biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. 93-8395.

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


Quality Control

10/01/12
Date