

HIV-1 (IIIB Strain) Purified Viral Lysate

Catalog Number: 10-121-000

Lot Number: C1214

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

Cell Line for Propagation: HuT 78 Cells

Unit Size: 1.0 mg

Fill Volume: 0.65 mL

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

QUALITY CONTROL DATA

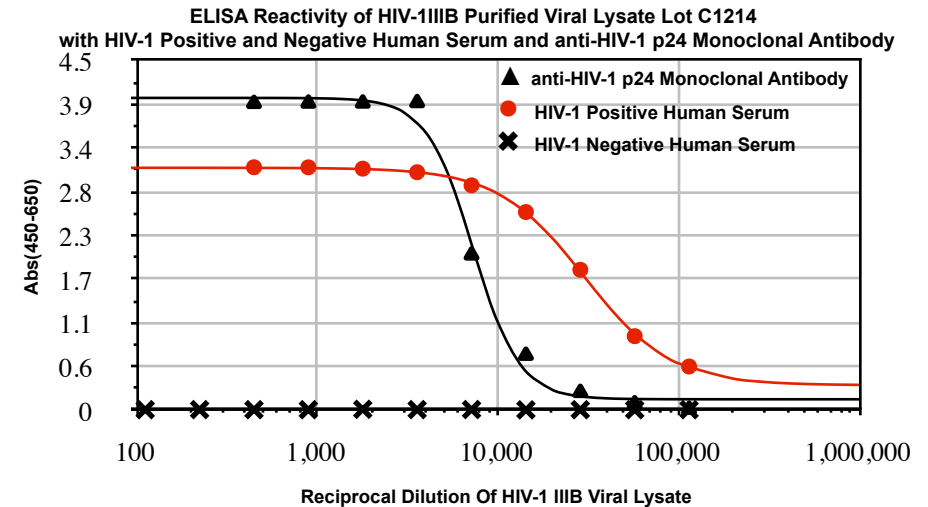
Sterility Tests: Bacteria, yeasts, and fungi were not detected (USP-NF). Mycoplasma was not detected by MycoAlert™ Mycoplasma Detection Kit (Lonza, LT07).

Protein Concentration: 1.4 mg/mL determined by Pierce BCA protein assay using BSA standard. Alternative methods for determining protein concentration may give different values.

p24 Concentration: 84 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 HuT 78 cells over a 28-day period with endpoint determination by HIV-1 p24 antigen capture ELISA. The reference HIV-1_{IIIB} purified virus and mock-infected HuT 78 cells were included as positive and negative controls, respectively, for the assay.

ELISA Testing: 14,299 units*/ml using anti-HIV-1 p24 monoclonal antibody
130,699 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 0.5000 in our test system. (See below).



Western Blot Testing: Reactive in Western blot at 1 µg using MAb to HIV p24 (1:200) and at 10 µg using MAb to 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 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.

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

[Signature]
Quality Control

07-13-2015
Date

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