

Human Immunodeficiency Virus Type 1 (HIV-1) Heat Inactivated Culture Fluid

PRODUCT DESCRIPTION:

Human Immunodeficiency Virus Type 1 (HIV-1) is an enveloped retrovirus approximately 120 nm in diameter, which contains two copies of a single-stranded, positive-sense RNA.

HIV-1 (Strain: IIIB) is propagated in the Hut78 T cell line.

Heat inactivated culture fluids are sold in 1.0 mL aliquots, and shipped on dry ice.

Each lot of viral culture fluid is assayed for its Tissue Culture Infective Dose (TCID₅₀) before being heat inactivated.

Custom orders are available, including specific volumes and package sizes.

INTENDED USE:

This product is intended for research, product development testing, or quality assurance testing.

Heat inactivated culture fluids are sold as consumable testing materials. Applications include:

- Nucleic Acid / Molecular Testing
- Limit of Detection (LOD) Studies
- Cross-reactivity Studies
- Other Viral-based Assays

ETIOLOGIC STATUS/BIOHAZARD TESTING:

HIV-1 is a Biosafety Level 2 organism, but is considered Biosafety Level 3 in large volumes.

Viral inactivation is verified after heat inactivation by the absence of viral growth in validated tissue culture based infectivity assays.

PRECAUTIONS:

USE UNIVERSAL PRECAUTIONS when handling this product!

Heat inactivated culture fluids are treated by a method validated to be effective for virus inactivation. However, no method can be guaranteed 100% effective.

This material should be handled as if capable of transmitting infectious agents.

RECOMMENDED STORAGE:

Viral culture fluid is stable for at least one year when stored at -65°C or below.

To avoid repeat freeze-thaws, which could negatively impact product performance, store heat inactivated culture fluids in smaller working aliquots.

DO NOT USE IN HUMANS!

These products are NOT intended for use in the manufacture or processing of injectable products subject to licensure under section 351 of the Public Health Service Act, or for any other product intended for administration to humans.

This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.

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