



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	☒ HIV-1 SF2 Infected HUT 78 Cells (ARV-2)
Catalog Number:	279
Lot Number:	180192
Release Category:	C
Provided:	1 mL of cells Post thaw cell count = 3.1×10^6 cells/mL Post thaw cell viability = 44% Cell viability increased to 82.4% after 7 days in culture.
Cell Type:	Mature human cutaneous T-cell lymphoma derived from the peripheral blood of a patient with Sezary syndrome.
Propagation Medium:	RPMI 1640, 90 %; fetal bovine serum, 10 %
Freeze Medium:	RPMI 1640, 40 %; fetal bovine serum, 50 %; DMSO, 10%
Growth Characteristics:	Maintain cells at $1-2 \times 10^6$ /mL; split 1:5 every 4-5 days. Cells grow singly in suspension. Add fresh uninfected cells as viral activity increases. Cell line maintains chronic infection with HIV-1 SF2 and produces virus particles with up to 10^6 cpm/mL of RT activity.
Morphology:	Lymphocytic, Suspension Cell Line
Sterility:	Negative for mycoplasma, bacteria and fungi.
Description:	Human T Cell line HUT 78 cells infected with HIV-1 SF2 virus.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Special Characteristics: The virus in the cells was isolated from peripheral blood mononuclear cells of an AIDS patient. SF2 utilizes CCR5 and CXCR4 as coreceptors. It infects a variety of cell lines, and is easily neutralized.

Recommended Storage: Keep the reagent in liquid nitrogen.

Contributor: Dr. Jay Levy.

References: Levy, J. A., A. D. Hoffman, S. M. Kramer, J. A. Landis, J. M. Shimabukuro and L. S. Oshiro. (1984). Isolation of lymphocytopathic retroviruses from San Francisco patients with AIDS. *Science*, 225(4664), 840-2. [PUBMED](#)

Sanchez-Pescador, R., M. D. Power, P. J. Barr, K. S. Steimer, M. M. Stempien, S. L. Brown-Shimer, W. W. Gee, A. Renard, A. Randolph, J. A. Levy and et al. (1985). Nucleotide sequence and expression of an AIDS-associated retrovirus (ARV-2). *Science*, 227(4686), 484-92. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 SF2 Infected HUT 78 Cells (ARV-2) from Dr. Jay Levy (cat# 279)." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact UCSF Innovation Ventures at the following email address: Ellen.Kats@ucsf.edu, before the reagent can be released.

Last Updated November 18, 2020

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.