



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	☒ HTLV-1 Infected Cells (SP)
Catalog Number:	3059
Lot Number:	040595
Release Category:	D
Provided:	1.2 x 10 ⁶ cells/mL. Viability is 95%.
Cell Type:	Cloned from PBMCs from a female with adult T-cell lymphoma.
Propagation Medium:	RPMI 1640 containing 2.0 mM L-glutamine, 100 U/ml penicillin, 100 mg/ml streptomycin, 10% FBS, 10% purified human IL-2.
Freeze Medium:	Propagation medium, 92.5%; DMSO, 7.5%.
Growth Characteristics:	Seed at 0.5 x 10 ⁶ cells/ml. Passage the cells every 72 hours thereafter, always including IL-2, splitting 1:10 to maintain log phase growth. Cells grow in single cell suspension, and double every 24-48 hours.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Description:	SP cells express mature T-cell specific antigens as well as co-expressing CD4 and CD8.
Special Characteristics:	<p>SP cells also express CD2 and CD3, but lack detectable levels of TCR$\alpha\beta$: or TCR $\gamma\delta$. SP cells represent a mature T cell since they lack surface CD1 expression, intracellular thymic terminal deoxynucleotidyl transferase, and message expression for V(D)J recombinase activating gene.</p> <p>SP cells also contain a single integrated, full length copy of HTLV-I as determined by Southern analysis. SP cells are highly susceptible to HIV infection. SP cells express HTLV-1 mature virions.</p>

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.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Thomas Folks.

References: Rowe T, Dezzutti C, Guenther PC, Lam L, Hodge T, Lairmore MD, Lal RB, Folks TM. Characterization of an HTLV-I-infected cell line derived from a patient with adult T-cell leukemia with stable co-expression of CD4 and CD8. *Leuk Res* **19**:621-628, 1995.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SP from Dr. Thomas Folks." Also include the reference cited above in any publications.

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