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DATA SHEET

Reagent:	☥ HTLV-1 OS-P2 Infected Cells
Catalog Number:	1393
Lot Number:	110127
Release Category:	A
Provided:	1 vial frozen cells, 5.8 x 10^6 cells/mL (94% viability).
Cell Type:	Subclone of HTLV-I infected CD8+ human T-lymphocyte cell line. Morphology is similar to T-cell lines. Syncytium formation is rare.
Propagation Medium:	RPMI 1640, 85%; fetal bovine serum, 15%.
Freeze Medium:	RPMI 1640, 82.5%; fetal bovine serum, 10%; DMSO, 7.5%.
Growth Characteristics:	Thaw rapidly and slowly dilute the cells with 37°C medium. Initiate culture at 5 x 10^5 cells/mL. Replace 80% of the medium every 3-4 days, and split the cells approximately 1:2 every 6-8 days or as necessary. Do not maintain the cells at concentrations greater than 2.0 x 10^6 cells/mL. Approximate doubling time is every six days. These cells grow clumped in suspension. The culture medium can be supplemented with low concentrations of IL-2 to enhance growth.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	HTLV-1 OS-P2 infected cells secrete lymphotoxin, several other cytokines (e.g., GM-CSF), abundant HTLV-I virus particles and HTLV-I antigen (e.g., viral p24).
Special Characteristics:	This cell line was obtained by culturing normal human PBMCs with cerebrospinal fluid from an HTLV-I-seropositive patient with HTLV-I-associated myelopathy/tropical spastic paraparesis (HAM/TSP). Moderately infectious when inoculated into rabbits. HTLV-1 OS-P2 infected cells are CD4+ and maintains many normal cell surface markers (e.g., CD3, CD2).

Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Michael D. Lairmore.
References:	Lairmore MD, Roberts B, Frank D, Rovnak J, Weiser MG, Cockerel, GL. Comparative biological responses of rabbits infected with human T-lymphotropic virus type I isolates from patients with lymphoproliferative and neurodegenerative disease. *Int J Cancer* **50**:124-130, 1992. McKendall RR, Oas J, Lairmore MD. HTLV-I-associated myelopathy endemic in Texas-born residents and isolation of virus from CSF cells. *Neurology* **41**:831-836, 1991.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HTLV-1 OS-P2 Infected Cells from Dr. Michael D. Lairmore." Please include the references cited above in any publications.
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