



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HLtat Cells
Catalog Number:	1293
Lot Number:	96127
Release Category:	C
Provided:	8.1 x 10 ⁶ cells/vial.
Propagation Medium:	DMEM (4500 mg/L glucose), 90%; fetal bovine serum, 10%.
Freeze Medium:	DMEM, 70%; fetal bovine serum, 20%; DMSO, 10%.
Growth Characteristics:	Split twice weekly 1:10. HLtat cells are stable and do not need to be maintained in selection medium. If growth in selection medium is desired, propagation medium containing 500 µg/ml G418 should be used. The culture flask should be changed every two weeks.
Sterility:	Negative for bacteria, fungi and mycoplasma.
Description:	HLtat ¹ contains stably integrated copies of the HIV-1 LTR promoter linked to a synthetic one-exon <i>tat</i> gene.
Special Characteristics:	This cell line was generated by cotransfection of HeLa cells with pSV2neo and with pL3tat, which contains the HIV-1 LTR promoter, synthetic first <i>tat</i> exon, and the SV40 polyadenylation signal. Clone HLtat was selected in geneticin (G418) on the basis of high-level production of the one-exon Tat. When transfected with HIV DNA, these cells allow high-level expression of a variety of HIV genes. Contains LTR sequences to +80 in the R region. Contains the entire U3 region, but lacks U5 sequences.
Recommended Storage:	Liquid nitrogen

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.

Contributor: Dr. Barbara K. Felber and Dr. George N. Pavlakis.

References: ¹Schwartz S, Felber BK, Benko DM, Fenyo EM, Pavlakis GN. Cloning and functional analysis of multiply spliced mRNA species of human immunodeficiency virus type 1. *J Virol* **64**:2519-2529, 1990.

Felber BK, Drysdale CM, Pavlakis GN. Feedback regulation of human immunodeficiency virus type 1 expression by the rev protein. *J Virol* **64**:3734-3741, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HLtat from Dr. Barbara K. Felber and Dr. George N. Pavlakis." Also include the references cited above in any publications.

Corporate requests should be directed in writing to: B.K. Felber or G.N. Pavlakis, National Cancer Institute, FCRDC, ABL-Basic Research Program, P.O. Box B/Building 539, Room 121, Frederick, Maryland 21702-1201. Phone: (301) 846-1474, FAX (301) 846-5991.

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