



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	J-Lat Full Length Cells (15.4)
<b>Catalog Number:</b>	9850
<b>Lot Number:</b>	041231
<b>Release Category:</b>	C
<b>Provided:</b>	1 ml ( $1 \times 10^7$ cells/vial), viability is 92 %. RPMI 1640 + penicillin G (100 U/ml) + streptomycin (100 µg/ml)
<b>Cell Type:</b>	Parental cell type: Jurkat Virally infected with the following packaged retroviral construct: HIV-R7/E-/GFP; full length HIV 1 minus env, minus nef
<b>Propagation Medium:</b>	RPMI 1640, 90%; FBS, 10%; supplemented with penicillin G (100 U/ml), streptomycin (100 µg/ml), L-glutamine (2 mM, 0.3 mg/ml).
<b>Freeze Medium:</b>	FBS, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	No special requirements, split 1:3 at $1 \times 10^6$ cells/ml. Cells grow in suspension, usually singly but some clumping has been noted.
<b>Morphology:</b>	Small, spherical cells in suspension. Morphology usually does not vary.
<b>Sterility:</b>	Negative for bacteria, mycoplasma, and fungi.
<b>Special Characteristics:</b>	Full-length constructs secrete incomplete viral particles (capsids). Latently express GFP to varying degrees. Suited to study HIV latency and reactivation.  The clones in this series are: 6.3 (cat# 9846), 8.4 (cat# 9847), 9.2 (cat# 9848), 10.6 (cat# 9849), and 15.4 (cat# 9850).  Please see Table I in the reference publication for differences between these clones in GFP and p24 expression upon stimulation with TNF- $\alpha$

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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. Eric Verdin.

**References:** Jordan, A., Bisgrove, D., & Verdin, E. (2003). HIV reproducibly establishes a latent infection after acute infection of T cells in vitro. EMBO J, 22(8), 1868-1877. doi:10.1093/emboj/cdg188 [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: J-Lat Full Length Clone (clone #) from Dr. Eric Verdin." Also include the reference cited above in any publication.

**These cells and methods of use are covered by US Patents 7,232,685 and 7,544,467.**

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the J. David Gladstone Institutes, Email: [veronica.viray@gladstone.ucsf.edu](mailto:veronica.viray@gladstone.ucsf.edu), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated** November 09, 2017

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