



## 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:** J-Lat Full Length Cells (10.6)

**Catalog Number:** 9849

**Lot Number:** 110232

**Release Category:** C

**Provided:** 1 ml ( $5.0 \times 10^6$  cells/vial), viability is 92%. RPMI 1640 + penicillin G (100 U/ml) + streptomycin (100 µg/ml)

**Cell Type:** Parental cell type: Jurkat  
Virally infected with the following packaged retroviral construct: HIV-R7/E-/GFP; full length HIV 1 minus env, minus nef

**Propagation Medium:** RPMI 1640, 90%; FBS, 10%; supplemented with penicillin G (100 U/ml), streptomycin (100 µg/ml), L-glutamine (2 mM, 0.3 mg/ml).

**Freeze Medium:** FBS, 90%; DMSO, 10%.

**Growth Characteristics:** 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.

**Morphology:** Small, spherical cells in suspension. Morphology usually does not vary.

**Sterility:** Negative for bacteria, mycoplasma, and fungi.

**Special Characteristics:** 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-α

---

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

---

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.