



## NIH AIDS Reagent Program

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### DATA SHEET

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

**Catalog Number:** 9849

**Lot Number:** 190095

**Release Category:** C

**Provided:** 800 uL of cells  
Post thaw cell count =  $2.93 \times 10^6$  cells/Vial  
Post thaw cell viability = 76 %

**Cell Type:** Human T cell lymphoblast

**Propagation Medium:** RPMI 1640, 90%; fetal bovine serum, 10%; 2mM GlutaMAX

**Freeze Medium:** Donor Provided Freeze Media: fetal bovine serum, 90 %; DMSO, 10%  
Current Freeze Media: Gibco Recovery™ Cell Culture Freezing Medium.

**Growth Characteristics:** No special requirements, split 1:3 at  $1 \times 10^6$  cells/mL.

**Morphology:** Lymphocytic, Suspension Cell Line

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

**Description:** This is a Jurkat-based cell line containing a full-length integrated HIV-1 genome that expresses GFP upon activation. The genome generates incomplete virions due to a frameshift in env.

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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.

<b>Special Characteristics:</b>	<p>Jurkat cells were infected with the packaged retroviral construct HIV-R7/E-/GFP, which is full length HIV-1 genome with a non-functional Env due to a frameshift, and GFP in place of the Nef gene.</p> <p>Full-length constructs secrete incomplete viral particles (capsids). The cells express low to undetectable levels of GFP under basal conditions. Suited to study HIV latency and reactivation.</p> <p>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).</p> <p>Please see Table I in the reference publication for differences between these clones in GFP and p24 expression upon stimulation with TNF-<math>\alpha</math></p>
<b>Recommended Storage:</b>	Keep the reagent in liquid nitrogen.
<b>Contributor:</b>	Dr. Eric Verdin
<b>References:</b>	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 <a href="#">PUBMED</a>
<b>NOTE:</b>	<p>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 Cells (10.6) from Dr. Eric Verdin (cat# 9849)." Also include the reference cited above in any publication.</p> <p><b>These cells and methods of use are covered by US Patents 7,232,685 and 7,544,467.</b></p> <p><b>Scientists at for-profit institutions or who intend commercial use of this reagent must contact the J. David Gladstone Institutes, Email: <a href="mailto:veronica.viray@gladstone.ucsf.edu">veronica.viray@gladstone.ucsf.edu</a>, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.</b></p>
<b>Last Updated</b>	September 15, 2020

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