### Reagent:
J-Lat Full Length Cells (8.4)

### Catalog Number:
9847

### Lot Number:
150243

### Release Category:
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### Provided:
1 ml (4.5 x 10⁶ cells/vial), viability is 53%.

### Cell Type:
Jurkat - T lymphocyte cell line

### 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 1x10⁶ 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.

### 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.

### Special Characteristics:
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.

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.

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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.

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REV: 11/09/2017
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

**Recommended Storage:**

Liquid nitrogen

**Contributor:**

Dr. Eric Verdin.

**References:**


**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, 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