



NIH AIDS Reagent Program

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DATA SHEET

Reagent: J-Lat Full Length Cells (8.4)

Catalog Number: 9847

Lot Number: 040601

Release Category: C

Provided: 1 ml (5.6×10^6 cells/vial), viability is 90%. 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 1×10^6 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, 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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