



NIH AIDS Reagent Program

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DATA SHEET

Reagent: J-Lat Full Length Cells (8.4)

Catalog Number: 9847

Lot Number: 190029

Release Category: C

Provided: 800 uL of cells
Post thaw cell count = 6.4×10^6 cells/Vial
Post thaw cell viability = 59 %
Cell viability increased to 94% after 14 days in culture.

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.

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.

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.

Special Characteristics:	<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-α</p>
Recommended Storage:	Keep the reagent in 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:	<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 (8.4) from Dr. Eric Verdin (cat#9847)." Also include the reference cited above in any publication.</p> <p>These cells and methods of use are covered by US Patents 7,232,685 and 7,544,467.</p> <p>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.</p>
Last Updated	November 16, 2020

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