

Centre For AIDS Reagents

Data Sheet

REAGENT:	J-Lat Full Length Cells (9.2)
RELEASE RESTRICTIONS:	NIH Category C
REPOSITORY REFERENCE:	100 943
LOT NUMER:	150244
PROVIDED:	1 mL of cells at 6.0×10^6 cells/vial. Post-thaw viability = 90%
STORAGE:	Liquid nitrogen.
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:	<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# 100941), 8.4 (cat# 100942), 9.2 (cat# 100943), 10.6 (NIH cat#9849), and 15.4 (NIH 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>
CELL TYPE:	Jurkat - T lymphocyte cell line
FREEZE MEDIUM:	FBS, 90%; DMSO, 10%.
GROWTH CHARACTERISTIC:	No special requirements, split 1:3 at 1×10^7 cells/ml. Cells grow in suspension, usually singly but some clumping has been noted.
PROPAGATION MEDIUM:	RPMI 1640, 90%; FBS, 10%; supplemented with penicillin G (100 U/ml), streptomycin (100 μ g/ml), L-glutamine (2 mM, 0.3 mg/ml).

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

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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](#)

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Please ensure that you send us a copy of any Papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.