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# DATA SHEET

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| **Reagent:** | J-Lat GFP Cells (A72) |
| **Catalog Number:** | 9856 |
| **Lot Number:** | 180427 |
| **Release Category:** | C |
| **Provided:** | 800 uL of cells<br>Post thaw cell count = 2.84 x $10^6$ cells/Vial<br>Post thaw cell viability = 52 %<br>Cell viability increased to 89% after 12 days in culture. |
| **Cell Type:** | Human T cell lymphoblast |
| **Propagation Medium:** | RPMI 1640, 90%; fetal bovine serum, 10%; 2mM GlutaMAX™- I (100X) |
| **Freeze Medium:** | 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 single integration site of a HIV retroviral vector expressing LTR driven GFP expression. |
| **Special Characteristics:** | Jurkat cells were infected with viral particles bearing the retroviral construct LTR-Tat-IRES-GFP. Cells that were GFP negative, but could be stimulated to express GFP were selected. For the other similar cells, please see cat#s 9846-9856. |

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| **Recommended Storage:** | Keep the reagent in liquid nitrogen. |
| **Contributor:** | Dr. Eric Verdin. |
| **References:** | Jordan, A., D. Bisgrove and E. Verdin. (2003). HIV reproducibly establishes a latent infection after acute infection of T cells in vitro. EMBO J, 22(8), 1868-77. doi:10.1093/emboj/cdg188 PUBMED<br><br>Jordan, A., P. Defechereux and E. Verdin. (2001). The site of HIV-1 integration in the human genome determines basal transcriptional activity and response to Tat transactivation. EMBO J, 20(7), 1726-38. doi:10.1093/emboj/20.7.1726 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 GFP Cells (A72) from Dr. Eric Verdin (cat# 9856)." Also include the references cited above in any publication.<br><br>**These cells and methods of use are covered by US Patents 7,232,685 and 7,544,467.**<br><br>**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 16, 2020 |