



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	☒ HIV-1 LAV infected Jurkat E6 Cells (J1.1)
<b>Catalog Number:</b>	1340
<b>Lot Number:</b>	160140
<b>Release Category:</b>	C
<b>Provided:</b>	1 mL of cells Post thaw cell count = $4.1 \times 10^6$ cells/mL Post thaw cell viability = 90% Cell viability increased to 96% after 3 days in culture.
<b>Cell Type:</b>	Derived from Jurkat. Morphology is mature lymphocytic.
<b>Propagation Medium:</b>	RPMI 1640 supplemented with 2 mM L-glutamine, 100 U/mL penicillin, 100 µg/mL streptomycin, 90%; fetal bovine serum, 10%.
<b>Freeze Medium:</b>	Propagation medium, 92.5%; DMSO, 7.5%.
<b>Growth Characteristics:</b>	Passage the cells every three days to give a concentration of $1 \times 10^6$ cells/mL. Cells grow in single cell suspension. Doubling time is 24 hours.
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi.
<b>Description:</b>	Latently HIV infected cell line cloned by limiting dilution from HIV-infected Jurkat cells.
<b>Special Characteristics:</b>	HIV can be stimulated to a productive infection with PMA or TNF.

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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.

**Recommended Storage:** Liquid nitrogen.

**Contributor:** Dr. Thomas M. Folks.

**References:** Perez, V. L., Rowe, T., Justement, J. S., Butera, S. T., June, C. H., & Folks, T. M. (1991). An HIV-1-infected T cell clone defective in IL-2 production and Ca<sup>2+</sup> mobilization after CD3 stimulation. *J Immunol*, 147(9), 3145-3148. [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 LAV infected Jurkat E6 Cells (J1.1) from Dr. Thomas Folks." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer, Email: [NIAIDAIDSReagent@niaid.nih.gov](mailto:NIAIDAIDSReagent@niaid.nih.gov), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated** July 12, 2019

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