



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** ☒ HIV-1 LAV infected Jurkat E6 Cells (J1.1)

**Catalog Number:** 1340

**Lot Number:** 130182

**Release Category:** C

**Provided:**  $7.2 \times 10^6$  cells/mL. Viability is 97%.

**Cell Type:** Derived from Jurkat. Morphology is mature lymphocytic.

**Propagation Medium:** RPMI 1640 supplemented with 2 mM L-glutamine, 100 U/ml penicillin, 100 µg/ml streptomycin, 90%; fetal bovine serum, 10%.

**Freeze Medium:** Propagation medium, 92.5%; DMSO, 7.5%.

**Growth Characteristics:** When thawing, dilute the cells with 37°C medium dropwise, wash out the DMSO, and seed the initial culture at  $1 \times 10^6$  cells/ml. 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.

**Sterility:** Negative for mycoplasma, bacteria and fungi.

**Special Characteristics:** Latently HIV infected cell line cloned by limiting dilution from HIV-infected Jurkat cells. HIV capable of being induced with PMA or TNF.

**Recommended Storage:** Liquid nitrogen.

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

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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.

**References:** Perez VL, Rowe T, Justement JS, Butera ST, June CH, Folks TM. An HIV-1-infected T cell clone defective in IL-2 production and Ca<sup>2+</sup> mobilization after CD3 stimulation. *J Immunol* **147**:3145-3148, 1991.

**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** February 06, 2017

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