



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Jurkat (E6-1) Cells
<b>Catalog Number:</b>	177
<b>Lot Number:</b>	130030
<b>Release Category:</b>	A
<b>Provided:</b>	5.0 x 10 <sup>6</sup> cell/mL, viability 90%.
<b>Propagation Medium:</b>	RPMI 1640 supplemented with 2 mM L-glutamine, 90%; fetal bovine serum, 10%; pen-strep.
<b>Freeze Medium:</b>	Propagation medium, 90%; DMSO, 10%.
<b>Growth Characteristics:</b>	The cells grow as a single cell suspension with occasional clumping. Passage the cells every 2-3 days to maintain a concentration of 1 x 10 <sup>5</sup> - 1 x 10 <sup>6</sup> cells/ml. Doubling time is less than 24 hours.
<b>Sterility:</b>	Negative for bacteria, mycoplasma, and fungi.
<b>Description:</b>	Human T cell leukemia. Jurkat Clone E6-1 was obtained by cloning Jurkat FHCRC at limiting dilution over macrophages. Morphology is lymphocytic.
<b>Special Characteristics:</b>	This clone of Jurkat-FHCRC (Dr. Kendall Smith, Dartmouth) produces large amounts of IL-2 after stimulation with both PMA and antibody to T3. The cells are CD4+ and may be induced to secrete $\gamma$ -interferon.
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	ATCC (Dr. Arthur Weiss).

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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:** Weiss AL, Wiskocil RL, Stobo JD. The role of T3 surface molecules in the activation of human T cells: A two-stimulus requirement for IL 2 production reflects events occurring at a pre-translational level. *J Immunol* **133**:123-128, 1984.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Jurkat Clone E6-1 from Dr. Arthur Weiss." Also include the reference cited above in any publications.

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