

## DATA SHEET

**For research use only. Not for use in humans.**

<b>Reagent:</b>	Jurkat (E6-1) Cells
<b>Catalog Number:</b>	ARP-177
<b>Lot Number:</b>	190504
<b>Provided:</b>	Each vial of ARP-177 contains approximately $2.73 \times 10^6$ cells in 0.6 mL of freezing medium. Post-thaw viability was 72%.
<b>Cell Type:</b>	ARP-177 is a human T-cell lymphoblast cell line.
<b>Propagation Medium:</b>	The recommended propagation medium is RPMI 1640 Medium containing 10% fetal bovine serum and 1% GlutaMAX™.
<b>Freeze Medium:</b>	The recommended freeze medium is Gibco Recovery Cell Culture Freezing Medium.
<b>Growth Characteristics:</b>	Jurkat (E6-1) cells grow in a single cell suspension with occasional clumping. Passage the cells every 2 to 3 days. Doubling time is less than 24 hours.
<b>Sterility:</b>	Tests for bacteria, fungi and mycoplasma were negative.
<b>Description:</b>	Jurkat clone E6-1 was obtained by cloning Jurkat-FHCRC (Dr. Kendall Smith, Dartmouth) at limiting dilution over macrophages.
<b>Special Characteristics:</b>	This clone of Jurkat-FHCRC produces large amounts of IL-2 after stimulation with both phorbol myristate acetate (PMA) and antibody to CD3. The cells are CD4+ and may be induced to secrete $\gamma$ -interferon.
<b>Recommended Storage:</b>	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
<b>Contributor:</b>	ATCC (Dr. Arthur Weiss)
<b>Reference:</b>	Weiss, A., R. L. Wiskocil and J. D. Stobo. "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." <i>J. Immunol.</i> 133 (1984): 123-128. PubMed: <a href="#">6327821</a> .
<b>Citation:</b>	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Jurkat (E6-1) Cells, ARP-177." Also include the references cited in any publications.
<b>Biosafety Level: 1</b>	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.
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