Reagent: Jurkat (E6-1) Cells

Catalog Number: 177

Lot Number: 070572

Release Category: A

Provided: 1.2 x 10^7 cells/vial, viability is 96%.

Propagation Medium: RPMI 1640 supplemented with 2 mM L-glutamine, 90%; fetal bovine serum, 10%; pen-strep.

Freeze Medium: Propagation medium, 90%; DMSO, 10%.

Growth Characteristics: 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 10^5 - 1 x 10^6 cells/ml. Doubling time is less than 24 hours.

Sterility: Negative for bacteria, mycoplasma, and fungi.

Description: Human T cell leukemia. Jurkat Clone E6-1 was obtained by cloning Jurkat FHCRC at limiting dilution over macrophages. Morphology is lymphocytic.

Special Characteristics: 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 γ-interferon.

Recommended Storage: Liquid nitrogen.

Contributor: ATCC (Dr. Arthur Weiss).

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.

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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