

Product sheet

TE-671 | 300355

TE-671

Description	TE-671 is a T cell line derived from a patient with T cell acute lymphoblastic leukemia (T-ALL). It is a CD4+ CD8- T cell line that expresses the T cell receptor (TCR) and co-receptor (CD28). The cells are maintained in culture with IL-2 and IL-7.
Organism	Human
Tissue	Peripheral blood mononuclear cells (PBMC)
Disease	T cell acute lymphoblastic leukemia (T-ALL)
Synonyms	TE671, TE671, TE671/rd

TE-671

Age	7 years
Gender	Male
Morphology	Large, round cells with high nuclear to cytoplasmic ratio
Growth properties	Dependent on IL-2 and IL-7

TE-671

Citation	TE-671 (TE-671 300355)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1756

TE-671

Receptors expressed	CD3, CD4, CD28, CD45, CD45RO, CD45RA, CD45RB, CD45RC, CD45RD, CD45RE, CD45RF, CD45RG, CD45RH, CD45RI, CD45RJ, CD45RK, CD45RL, CD45RM, CD45RN, CD45RO, CD45RP, CD45RQ, CD45RS, CD45RT, CD45RU, CD45RV, CD45RW, CD45RX, CD45RY, CD45RZ, CD45RA, CD45RB, CD45RC, CD45RD, CD45RE, CD45RF, CD45RG, CD45RH, CD45RI, CD45RJ, CD45RK, CD45RL, CD45RM, CD45RN, CD45RO, CD45RP, CD45RQ, CD45RS, CD45RT, CD45RU, CD45RV, CD45RW, CD45RX, CD45RY, CD45RZ
Antigen expression	CD45RO+, CD45RA+, CD45RB+ (MNF-116)

TE-671 | 300355

Thawing and Culturing Cells

1. Thaw the vial in a water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T75 flask.
2. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
3. When the cells reach confluence, they should be approximately 70% confluent.
4. Harvest the cells by trypsinization. Seed the cells into a T75 flask.
5. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
6. Harvest the cells by trypsinization. Seed the cells into a T75 flask.
7. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
8. Harvest the cells by trypsinization. Seed the cells into a T75 flask.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

None

Freezing Procedure

Resuspend cells in freezing medium and freeze at -80°C.

Shipping Conditions

Store at -80°C.

Storage Conditions

Store at -150°C to -196°C.

HLA

Sterility

The cells are tested for mycoplasma contamination (PCR) and are found to be negative.