

Product sheet

T24 | 300352

General information

Description	Epithelial cell line derived from a 82-year-old male patient with a primary tumor of the colon. The cells were established in 1982 and are maintained in DMEM/F12 supplemented with 10% FBS. The cells are characterized by their epithelial morphology and are capable of forming colonies in soft agar.
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma
Synonyms	T-24, T 24

Cell characteristics

Age	82 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Identification and safety

Citation	T24 (ATCC CCL-24) Cytion 300352
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0554

Antigen expression

Antigen expression	HLA A1, A3, B18, Bw35, Cw4, DRw2, Dw4
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Isoenzymes	Me-2, 1-2, PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1, GLO-1, 1, G6PD, B, 0.0216
Oncogenes	H-ras+
Tumorigenic	
Products	
Karyotype	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM, w: 1.2 g/L NaHCO3 820400a)
Supplements	5% FBS
Dissociation Reagent	
Doubling time	19
Subculturing	
Seeding density	1×10^4
Post-Thaw Recovery	
Freeze medium	

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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial containing the cells rapidly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of DMEM supplemented with 10% FBS.
2. **Seeding:** Seed the cells into a T25 flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. **Passaging:** Once cells reach 70-80% confluency, they can be passaged into a T75 flask or a 293A flask. Use trypsin to detach the cells and resuspend them in DMEM supplemented with 10% FBS.
4. **Seeding:** Seed the cells into a T75 flask or a 293A flask containing 100 ml of DMEM supplemented with 10% FBS. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
5. **Passaging:** Once cells reach 70-80% confluency, they can be passaged into a T25 flask or a 293A flask. Use trypsin to detach the cells and resuspend them in DMEM supplemented with 10% FBS.
6. **Seeding:** Seed the cells into a T25 flask or a 293A flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
7. **Passaging:** Once cells reach 70-80% confluency, they can be passaged into a T75 flask or a 293A flask. Use trypsin to detach the cells and resuspend them in DMEM supplemented with 10% FBS.
8. **Seeding:** Seed the cells into a T75 flask or a 293A flask containing 100 ml of DMEM supplemented with 10% FBS. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells at 70-80% confluency, wash with PBS, and resuspend in freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for up to 196 weeks.

HEK293T24 / HEK293T24 / HLA

Sterility The cells are provided in a sterile, virus-free environment. PCR screening for mycoplasma contamination is performed. The cells are free of mycoplasma contamination.

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██████ HLA

A*: 01:01:01

B*: 18:01:01

C*: 05:01:01

DRB1*: 03:01:01

DQA1*: 05:01:01

DQB1*: 02:01:01

DPB1*: 04:01:01

E: 01:01:01