

TE10 | 305455

TE10

Description	TE10 is a human embryonic kidney (HEK) cell line, derived from a 3-year-old child, which is widely used in molecular biology and cell biology research. It is a continuous cell line that can be grown in the presence of 10% fetal bovine serum (FBS) in DMEM medium. TE10 cells are characterized by their high transfection efficiency and are commonly used for the study of gene expression, protein production, and cellular signaling pathways. TE10 cells are also used for the study of viral replication and the effects of various drugs and toxins on cell growth and survival.
Organism	Human
Tissue	Kidney
Disease	None
Synonyms	TE-10

TE10

Age	58 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Adherent

TE10

Citation	TE10 (ATCC CCL-21) Cytion 305455
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1760

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XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXXXX

Isoenzymes	LD, NP
Mutational profile	TP53, p.Cys242Tyr (c.725G>A),
Culture Medium	RPMI 1640, 2.1 mM, 2.0 mM/ NaHCO ₃ (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	
Doubling time	30
Seeding density	2–4*10 ⁴ /
Fluid renewal	1 2
Freeze medium	(FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C孵育箱中孵育24小时。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C孵育箱中孵育24小时。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入70%相对湿度中孵育24小时。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入15" x 8" x 8"的细胞培养瓶中孵育24小时。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入300 x g离心3分钟，然后将培养瓶放入-150°C液氮中冷冻24小时。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10" x 10" x 10"的细胞培养瓶中孵育24小时。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。

Incubation
Atmosphere

37°C, 5% CO₂, 相对湿度 70%

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C液氮中冷冻24小时。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。

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Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入PCR管中孵育24小时。

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。