

HEK 293T cells, 300697

HEK 293T cells

Description	HEK 293T cells are a derivative of HEK 293 cells, which are a derivative of HEK 293 cells. They are used for the production of recombinant proteins and for the study of gene expression and cell biology.
Organism	Human
Tissue	Embryonic kidney (HEK 293T)
Disease	None
Applications	HEK 293T cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.

HEK 293T cells

Morphology	HEK 293T cells are a derivative of HEK 293 cells, which are a derivative of HEK 293 cells.
Cell type	HEK 293T cells
Growth properties	HEK 293T cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.

HEK 293T cells

Citation	HEK 293T cells are a derivative of HEK 293 cells, which are a derivative of HEK 293 cells (Cytion: 300697)
Biosafety level	1
NCBI_TaxID	9606

HEK 293T cells

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Culture Medium	HEK 293T cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.
Supplements	HEK 293T cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.
Dissociation Reagent	HEK 293T cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.

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Doubling time 48–72 hours

Subculturing Cells are grown in 70–80% confluence, trypsinized with PBS, EDTA and Accutase, washed, and resuspended in fresh medium.

Split ratio 1:2 to 1:3

Seeding density 5×10^3 cells/cm²

Fluid renewal Every 2–3 days

Freeze medium Cells are resuspended in freezing medium (DMEM + 10% DMSO) and frozen in liquid nitrogen.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C, transfer to a tube on ice, and centrifuge at 300 x g for 5 minutes.
2. Remove supernatant, wash cells with PBS, and resuspend in fresh medium.
3. Seed cells into a T75 flask at a density of 5×10^3 cells/cm².
4. Change medium after 24 hours to remove dead cells.
5. Cells should reach 70–80% confluence within 3–5 days.
6. For subculturing, trypsinize cells and resuspend in fresh medium.
7. Store cells in freezing medium for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Shipping Conditions Cells are shipped in dry ice at -78°C.

Storage Conditions Cells can be stored in freezing medium for up to 12 months at -150°C.

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