

Product sheet

HEK293T (HFFC) | 300715

HEK293T

Description HEK293T (HFFC) is a cell line derived from HEK293 cells. HFFC HEK293T cells are highly transfectable, and are used for the production of recombinant proteins, viral vectors, and cell-based assays.

Organism HEK293T

Tissue HEK293T

HEK293T

Morphology HEK293T

Growth properties HEK293T

HEK293T

Citation HEK293T (HFFC) (HEK293T Cytion 300715)

NCBI_TaxID 9606

HEK293T

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Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 2.5 mM L- CaCl_2 , w: 15 mM HEPES, w: 0.5 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 1.2 g/L NaHCO₃ 820400a)

Supplements HEK293T 10% FBS, 10 ng/mL bFGF, 10 $\mu\text{g}/\text{mL}$ CaCl_2

Dissociation Reagent HEK293T

Subculturing HEK293T cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, 10 ng/mL bFGF, 10 $\mu\text{g}/\text{mL}$ CaCl_2 . For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, 10 ng/mL bFGF, 10 $\mu\text{g}/\text{mL}$ CaCl_2 .

Freeze medium HEK293T cells are frozen in DMEM:Ham's F12 (1:1) supplemented with 10% FBS, 10 ng/mL bFGF, 10 $\mu\text{g}/\text{mL}$ CaCl_2 , 10% DMSO, and 10% CM-1 (HEK293T Cytion 800100).

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**Thawing and
Culturing Cells**

1. Thaw the cells quickly in a water bath at 37°C. Do not let the cells sit at room temperature for more than 15 minutes.
2. Add the cells to a flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
3. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
4. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
5. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
6. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
7. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.
8. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate at 37°C for 24 hours.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml falcon tube containing 1 ml of freezing medium. Freeze at -80°C.

Shipping Conditions Ship at -80°C.

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

HEK 293T / HEK 293T / HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR confirmed.