

Product sheet

HEK293-F | 300260

HEK293-F

Description HEK293-F is a derivative of HEK293 cells, which are a continuous cell line derived from the 293 cell line. HEK293-F cells are characterized by their high transfection efficiency and are commonly used for the production of recombinant proteins and viral vectors.

Organism Human

Tissue Kidney

Applications Transfection, Protein production

Synonyms HEK-293-F, HEK 293-F, HEK-293F, HEK293F, 293-F, 293 F, 293F

HEK293-F

Age 1-2 years

Gender Male

Morphology Adherent, Epithelial

Growth properties High growth rate

HEK293-F

Citation HEK293-F (HEK293-F) Cytion 300260

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_6642

GMO Status GMO-S1: HEK293-F cells are derived from HEK293 cells, which are a continuous cell line derived from the 293 cell line. HEK293-F cells are characterized by their high transfection efficiency and are commonly used for the production of recombinant proteins and viral vectors.

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Receptors expressed	
Protein expression	CEA, p53
Tumorigenic	
Viruses	DNA, 5 DNA
CD293	
Culture Medium	CD293 (Thermo)
Supplements	10% FBS, 1% NEAA
Dissociation Reagent	
Doubling time	30
Subculturing	3, T25, 3-5, 3
Seeding density	1×10^4 , 4
Fluid renewal	
Post-Thaw Recovery	24
Freeze medium	(FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a flask containing 10-15 ml of pre-warmed medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have attached, replace the medium with fresh pre-warmed medium.
4. When the cells reach 70-80% confluency, passage them into a new flask.
5. Use a pipette to transfer 15 ml of medium from the 15 cm² flask to an 8 cm² flask.
6. Add 300 x g of cells to the 8 cm² flask. Incubate at 37°C with 5% CO₂.
7. Once the cells reach 70-80% confluency, passage them into a new flask.
8. Repeat the process for subsequent passages.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml centrifuge tube. Wash with PBS. Resuspend in freezing medium. Aliquot into 1 ml vials. Store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

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

Genotype / HLA

Sterility The cells are free of mycoplasma contamination. PCR screening for mycoplasma is performed. The cells are also free of endotoxins.