

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 human embryonic kidney (HEK) 293 cells. HEK293-F cells are characterized by their high transfection efficiency and are commonly used for the production of recombinant proteins and viral vectors. They are maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

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 1-3 months

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 human embryonic kidney (HEK) 293 cells. HEK293-F cells are characterized by their high transfection efficiency and are commonly used for the production of recombinant proteins and viral vectors. They are maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

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Receptors expressed	
Protein expression	CEA, p53
Tumorigenic	
Viruses	DNA, 5 DNA, 5
HEK293-F	
Culture Medium	CD293 (Thermo) + L-
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 quickly in a 37°C water bath, and transfer the cells to a pre-warmed T25 flask containing 5 ml of complete DMEM.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. Seed the cells into a 96-well plate (100,000 cells per well) and incubate at 37°C in 5% CO₂ until they reach 70-80% confluency.
4. Harvest the cells by trypsinization and resuspend in 1 ml of complete DMEM.
5. Seed the cells into a 96-well plate (100,000 cells per well) and incubate at 37°C in 5% CO₂ until they reach 70-80% confluency.
6. Harvest the cells by trypsinization and resuspend in 1 ml of complete DMEM.
7. Seed the cells into a 96-well plate (100,000 cells per well) and incubate at 37°C in 5% CO₂ until they reach 70-80% confluency.
8. Harvest the cells by trypsinization and resuspend in 1 ml of complete DMEM.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Adherent cells, no coating

Freezing Procedure Harvest cells by trypsinization, resuspend in 1 ml of complete DMEM, and freeze in a 100% FBS solution at -80°C.

Shipping Conditions Cells should be shipped at -80°C.

Storage Conditions Cells should be stored at -150°C for up to 196 days.

HEK293-F / HEK293-T / HLA

Sterility Cells are provided as a suspension in complete DMEM. PCR screening is available for all cell lines.