

Product sheet

HEK293-F | 300260

HEK293-F

Description HEK293-F is a cell line derived from HEK293 cells. It is a stable cell line that expresses the SV40 large T antigen. This cell line is used for the production of recombinant proteins and for the study of viral replication and assembly.

Organism Homo sapiens

Tissue Embryonic kidney

Applications Protein production, viral production

Synonyms HK-293-F, HK 293-F, HK 293F, HK 293F, HK 293F, 293-F, 293 F, 293 F, 293 F, 293 F

HEK293-F

Age 1-3 months

Gender Male

Morphology Adherent, epithelial

Growth properties High growth rate

HEK293-F

Citation HEK293-F (ATCC CRL-1573) (300260)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_6642

GMO Status GMO-S1: HEK293-F cells containing SV40 large T antigen

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Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 mL of DMEM supplemented with 10% FBS. Seed the cells into a T75 flask.
2. After 24 hours, replace the medium with DMEM supplemented with 10% FBS.
3. Once the cells reach 70% confluence, replace the medium with DMEM supplemented with 10% FBS.
4. After 24 hours, replace the medium with DMEM supplemented with 10% FBS.
5. Once the cells reach 70% confluence, replace the medium with DMEM supplemented with 10% FBS.
6. After 24 hours, replace the medium with DMEM supplemented with 10% FBS.
7. Once the cells reach 70% confluence, replace the medium with DMEM supplemented with 10% FBS.
8. After 24 hours, replace the medium with DMEM supplemented with 10% FBS.

Incubation Atmosphere 37 °C, 5% CO₂

Flask Coating The cells are not adherent to standard tissue culture flasks. The cells require a special coating for adherence.

Freezing Procedure Harvest cells into a 15 mL centrifuge tube and centrifuge at 300 x g for 3 minutes. Resuspend the cell pellet in 1 mL of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). Freeze the cells in a cryovial and store at -80°C.

Shipping Conditions The cells should be shipped at -80°C.

Storage Conditions The cells should be stored at -150 to -196°C.

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Sterility The cells are not adherent to standard tissue culture flasks. The cells require a special coating for adherence.