

Product sheet

HEK293FT | 305275

HEK293FT

**Description** HEK293FT is a derivative of HEK293, which is a cell line derived from HEK293 cells. HEK293FT is a derivative of HEK293 cells that are stably transfected with the Epstein-Barr virus (EBV) genome. HEK293FT cells are used for the production of recombinant proteins and for the study of gene expression and cell biology.

**Organism** Human

**Tissue** Embryonic kidney

**Synonyms** HEK293-FT, HEK-293FT, HEK 293FT, HEK-293-FT, HEK293FT, 293-FT, FT-293

HEK293FT

**Age** 1-3 months

**Gender** Male

**Morphology** Adherent

**Growth properties** Adherent

HEK293FT

**Citation** HEK293FT (HEK293FT) Cytion 305275

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_6911

**GMO Status** GMO-S1: HEK293FT, HEK293FT HEK293 (293-FT), HEK293FT SV40

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**Antigen expression** T antigen SV40, EBV EBNA1 (E1A)

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Viruses Adenovirus-5, Ad5 (SV40)

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Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

Supplements 10% FBS.

Dissociation Reagent Trypsin

Subculturing Seed cells into T25, T75 or 150 cm2 flasks using 3 ml of PBS. Wash cells with 3 ml of PBS. Add 3 ml of trypsin and incubate for 5 minutes at 37°C. Add 3 ml of PBS to stop the reaction. Centrifuge at 300 x g for 5 minutes. Resuspend in 1 ml of PBS and count cells.

Seeding density 2 x 10^5 cells/cm^2

Fluid renewal Change medium every 3-5 days.

Freeze medium DMEM + 10% FBS + 10% DMSO

Thawing and Culturing Cells

- 1. Thaw cells in a 37°C water bath.
2. Add 10 ml of DMEM + 10% FBS to a T25 flask.
3. Centrifuge at 300 x g for 5 minutes.
4. Resuspend cells in 1 ml of DMEM + 10% FBS.
5. Seed cells into a T25 flask.
6. Incubate cells at 37°C in 5% CO2.
7. Change medium every 3-5 days.
8. Harvest cells when confluency reaches 70-80%.

