

HFF-1 | 305790

General information

Description	HFF-1 is a human embryonic fibroblast cell line derived from a human embryo (hESCs) and is used for various research purposes. It is a permanent cell line that can be maintained in culture for a long period of time. The cells are typically grown in the presence of FGF-2 and activin A, which are essential for their proliferation and differentiation. HFF-1 cells are also used for the study of gene expression, protein production, and drug screening. The cells are characterized by their high proliferation rate and their ability to differentiate into various cell types.
Organism	Human
Tissue	Embryo, Fibroblast
Synonyms	HFF1

Characteristics

Age	Human embryo
Gender	Male
Morphology	Epithelial
Cell type	Human embryonic fibroblast
Growth properties	High proliferation rate

Documentation and safety

Citation	HFF-1 (Human Embryonic Fibroblast) Cytion 305790
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_3285

Additional information

HEK293T HFF-1 | 305790

Mutational profile

HEK293T

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 β -mercaptoethanol (Cytion 820300a)

Supplements

Insulin 15% FBS

Dissociation Reagent

Trypsin

Fluid renewal

2 x 3 days

Freeze medium

DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β -mercaptoethanol (Cytion 820300a) + 10% DMSO + 10% FBS

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C. Transfer cells to a pre-warmed medium.
2. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
3. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
4. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
5. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
6. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
7. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.
8. Seed cells into a pre-warmed medium. Incubate at 37°C for 24 hours.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing Procedure

[illegible]

Shipping Conditions

[illegible]

Storage Conditions

[illegible]

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Sterility

PCR

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