

Product sheet

HFF-1 | 305790

General Information

Description
HFF-1 is a human fibroblast cell line derived from foreskin tissue (hESCs) and is maintained in the presence of FGF-2 and activin A. It is a clonal cell line that has been established from a single cell and is characterized by its ability to proliferate indefinitely in culture. The cells are typically grown in DMEM supplemented with 10% FBS and are used for various research applications, including cell biology, molecular biology, and drug discovery.

Organism Human

Tissue Skin, Fibroblast

Synonyms HFF1

Characteristics

Age 2-3 years

Gender Male

Morphology Fibroblast

Cell type Primary fibroblast

Growth properties Adherent

References

Citation HFF-1 (ATCC CCL-243) | Cytion 305790

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_3285

Additional Information

Product sheet

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 sodium pyruvate (Cytion 820300a)

Supplements 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 sodium pyruvate (Cytion 820300a), w: 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw the cells in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in fresh medium.
3. Seed the cells into a 24-well plate at a density of 15 x 10⁴ cells per well.
4. Incubate the cells for 24 hours. Replace the medium with fresh medium.
5. Seed the cells into a 96-well plate at a density of 15 x 10⁴ cells per well.
6. Incubate the cells for 24 hours. Replace the medium with fresh medium.
7. Seed the cells into a 96-well plate at a density of 15 x 10⁴ cells per well.
8. Incubate the cells for 24 hours. Replace the medium with fresh medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

