

HL-1 | 305264

General information

Description	HL-1 is a cell line derived from a human embryo (HL-1) and is used for research purposes. It is a continuous cell line that can be grown in culture. HL-1 is a human embryonic kidney (HEK) cell line, derived from a human embryo, and is used for research purposes. It is a continuous cell line that can be grown in culture. HL-1 is a human embryonic kidney (HEK) cell line, derived from a human embryo, and is used for research purposes. It is a continuous cell line that can be grown in culture.
Organism	Human
Tissue	Embryo, Kidney
Disease	HL-1 is a cell line derived from a human embryo (HL-1) and is used for research purposes. It is a continuous cell line that can be grown in culture. HL-1 is a human embryonic kidney (HEK) cell line, derived from a human embryo, and is used for research purposes. It is a continuous cell line that can be grown in culture.
Applications	HL-1 is a cell line derived from a human embryo (HL-1) and is used for research purposes. It is a continuous cell line that can be grown in culture. HL-1 is a human embryonic kidney (HEK) cell line, derived from a human embryo, and is used for research purposes. It is a continuous cell line that can be grown in culture.
Synonyms	HL1, HL-1 F2 P76

Characteristics

Breed/Subspecies	C3HeB/FeJ (J) (C3HeB/FeJ)
Age	Adult
Gender	Male
Ethnicity	Human (C3HeB/FeJ) (C3HeB/FeJ)
Morphology	Embryo, Kidney
Cell type	Embryo, Kidney
Growth properties	Embryo, Kidney

Additional information

Citation	HL-1 (Cytion 305264)
Biosafety level	1
NCBI_TaxID	10090

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Freeze medium

Freeze medium: 100% FBS (Fetal Bovine Serum) + 10% DMSO (Dimethyl Sulfoxide) in 100% FBS. The medium is used for freezing cells.

Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not let the cells sit on ice.
2. Dilute the cells into a pre-warmed medium (e.g., DMEM + 10% FBS) and transfer them to a T25 flask.
3. Incubate the cells in a CO₂ incubator at 37°C for 24 hours to allow them to attach.
4. After 24 hours, check for cell attachment. If cells are not attached, replace the medium with fresh medium.
5. Once cells are attached, replace the medium with fresh medium (e.g., DMEM + 10% FBS).
6. After 48 hours, check for cell growth. If cells are growing, replace the medium with fresh medium.
7. After 72 hours, check for cell growth. If cells are growing, replace the medium with fresh medium.
8. After 96 hours, check for cell growth. If cells are growing, replace the medium with fresh medium.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Flask coating: The cells are coated onto the flask using a coating solution (e.g., Cell Adhesion Promoter).

Shipping Conditions

Shipping conditions: The cells are shipped in a dry ice container at -78°C.

Storage Conditions

Storage conditions: The cells are stored in a liquid nitrogen container at -150°C for up to 196 days.

Sterility

Sterility: The cells are tested for sterility using PCR (Polymerase Chain Reaction) and are found to be sterile.

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