

HL-1 | 305264

Description

HL-1 is a cell line derived from a human embryo, established in 1963. It is a continuous cell line that can be grown in the presence of insulin, transferrin, and selenium (ITS) medium. HL-1 is a pluripotent cell line that can differentiate into all three germ layers (ectoderm, mesoderm, and endoderm).

Organism

Tissue

,

Disease

(AT-1 SV40 T ; ;)

Applications

; ; ; (IKr, INa, ICaL); ; / ; ; 43 ;

Synonyms

HL1, HL-1 F2 P76

Breed/Subspecies

C3HeB/FeJ

Age

Gender

Ethnicity

(C3HeB/FeJ ; Q)

Morphology

Cell type

Growth properties

Citation

HL-1 (Cytion 305264)

Biosafety level

1

NCBI_TaxID

10090

Product sheet

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CellosaurusAccession CVCL_0303

Viruses : 40(SV40)

Culture Medium

, 2 mM , 10% FBS, L- 0.1 mM ()
L- 0.1 mM :
100 (10 mM) .
1. 30 mM L- (50 mL) .
2. (50 mL) 160 mg = 10 mM
3. 0.2 µm .
4. 100 1 mL -20 °C . -20 °C 1 .
5. 1 mL 100 mL . 1 .

Supplements 10% FBS, 2 mM , L- 0.1 mM .

Dissociation Reagent

Doubling time 24~36

Subculturing PBS . T25 3~5ml, T75 5~10ml PBS . T25

Split ratio 1~3

Seeding density $2\sim4 \times 10^4$ /cm²

Fluid renewal (24)

Post-Thaw Recovery , / (12.5 µg/ml 0.02% , 37°C 1 ,).

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Freeze medium (FBS) + 10% DMSO , CM-1(Cytion 800100)

Thawing and Culturing Cells

1. .
2. -150°C , 3 .
3. 37°C 40~60 .
4. , 70% .
5. 8ml 15ml .
6. 300 x g 3 .
7. 10ml . T25 , T25
8. .

Incubation Atmosphere 37°C, 5% CO₂' .

Flask Coating . 0.02% 2 ml 25 µg T25 37°C .

Shipping Conditions -78°C .

Storage Conditions -150°C -196°C . 80°C .

Sterility PCR .
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