

HEL 92.1.7 HEL 92.1.7 | 300462

Description HEL 92.1.7 is a cell line derived from a human embryo fibroblast (HEF) cell line. It is a derivative of the HEL 92.1.7 cell line, which is a human embryonic fibroblast (HEF) cell line. The cell line is characterized by its ability to form colonies in the presence of TPA (12-O-tetradecanoyl-phorbol-13-acetate-10-acetate).

Organism Human

Tissue Fibroblast

Disease None

Synonyms Hel92.1.7, hel-92.1.7, hel-92.1.7, hel-92_1_7, hel-92, hel-92, hel92

Age 30 days

Gender Male

Ethnicity Caucasian

Morphology Fibroblast

Cell type Fibroblast

Growth properties Adherent

Citation HEL 92.1.7 (ATCC CCL-2481) (300462)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_2481

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Antigen expression

HLA A3, Aw32, Bw35, Ia+ A3, A32, Bw35, Ia+

Products

HEPES buffered RPMI 1640 (20 mM HEPES, 2 mM L-glutamine, 2 mM sodium pyruvate, 100 U/ml penicillin, 100 U/ml streptomycin, 100 U/ml nystatin) + 2-mercaptoethanol

Culture Medium

RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ (820700a) + 10% FBS

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are seeded into 15 ml tubes containing 10 ml of RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS

Fluid renewal

2-3 times per week

Freeze medium

RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath and transfer to a 15 ml tube containing 10 ml of RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS
2. Allow cells to settle at the bottom of the tube and add 10 ml of fresh RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS
3. Incubate cells in a 37°C incubator with 5% CO₂ for 24 hours
4. Remove the supernatant and wash cells with PBS. Resuspend cells in 10 ml of fresh RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS
5. Seed cells into a 15 ml tube containing 10 ml of fresh RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS
6. Incubate cells in a 37°C incubator with 5% CO₂ for 24 hours
7. Remove the supernatant and wash cells with PBS. Resuspend cells in 10 ml of fresh RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS
8. Seed cells into a 15 ml tube containing 10 ml of fresh RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ + 10% FBS

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Incubation Atmosphere

37

Flask Coating

Freezing Procedure

-78

Shipping Conditions

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Storage Conditions

-150 -196

/ / HLA

Sterility

(PCR)

HLA

- A*: '03:01:01, '32:01:01
- B*: '35:01:01, '35:08:01
- C*: '04:01:01
- DRB1*: '07:01:01, '13:03:01
- DQA1*: '02:01:01, '05:05:01
- DQB1*: '02:02:01, '03:01:01
- DPB1*: '02:01:02, '04:01:01
- E: '01:01:01, '01:03:02