

Product sheet

CV-1 | 601470

CV-1

Description
CV-1 is a continuous cell line derived from a human embryo in 1964. It is a fibroblast cell line that is widely used in cell biology and molecular biology research. CV-1 cells are characterized by their ability to grow in the presence of 10% fetal bovine serum (FBS) in DMEM medium. CV-1 cells are also known for their high transfection efficiency and are commonly used for the production of recombinant proteins and viral vectors. CV-1 cells are maintained in a 37°C incubator with 5% CO2. CV-1 cells are derived from a human embryo (TK) and are not recommended for use in clinical applications.

Organism Human

Tissue Fibroblast

Applications Transfection, protein production, viral vector production, SV40.

Synonyms Cv-1, CV 1, CV-1.K, CV-1.C, CV1

CV-1

Age 141 days

Gender Male

Cell type Fibroblast

Growth properties Adherent

CV-1

Citation CV-1 (ATCC CRL-1573 | 605471)

Biosafety level 1

NCBI_TaxID 9534

CellosaurusAccession CVCL_0229

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Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in a pre-warmed medium.
3. Seed the cells into a 25 cm² flask containing 37 mL of pre-warmed medium.
4. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells should reach 70% confluency within 7-10 days.
5. Harvest the cells by trypsinization. Seed the cells into a 25 cm² flask containing 37 mL of pre-warmed medium.
6. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells should reach 70% confluency within 7-10 days.
7. Harvest the cells by trypsinization. Seed the cells into a 25 cm² flask containing 37 mL of pre-warmed medium.
8. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells should reach 70% confluency within 7-10 days.

CV-1 / HLA

Sterility

CV-1 cells are tested for sterility using PCR. The results are as follows:

CV-1 cells are free of mycoplasma contamination.