

V79 | 305012

Description

V79 is a cell line derived from the embryonic kidney of a mouse. It is a fibroblast cell line that is widely used in cell biology and molecular biology research. The cells are characterized by their ability to grow in culture and their high transfection efficiency. V79 cells are commonly used for the study of gene expression, protein production, and cell signaling. They are also used in the development of vaccines and gene therapy. V79 cells are maintained in culture in the presence of fetal bovine serum (FBS) and are typically grown in 96-well plates or multi-well culture flasks. The cells are highly sensitive to trypsin and can be easily passaged. V79 cells are a valuable tool for researchers in the field of cell biology and molecular biology.

Organism

Mus musculus

Tissue

Kidney

Applications

V79 cells are used for a variety of applications, including cell biology, molecular biology, and gene expression studies. They are commonly used for the study of gene expression, protein production, and cell signaling. V79 cells are also used in the development of vaccines and gene therapy.

Synonyms

V-79, V 79, V 79, V79-1, GM00215, GM-215, GM00215A, GM16136, UCW 100

Gender

Male

Morphology

Fibroblast

Growth properties

Adherent

Citation

V79 (ATCC CRL-1587) | 305012

Biosafety level

1

NCBI_TaxID

10029

CellosaurusAccession

CVCL_2234

Product sheet

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Culture Medium DMEM 4.5 g/l, Glucose 4 g/l, L-Glutamine 3.7 g/l, NaHCO3 1.0 g/l, Penicillin (100 U/ml), Streptomycin (82 U/ml)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested into PBS, centrifuged, and resuspended in fresh medium.

Fluid renewal 2-3 times per week

Freeze medium Serum-free medium (DMEM + 10% DMSO) + 10% FBS

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells into fresh medium.
 3. Seed cells into a 24-well plate.
 4. Incubate cells for 70% confluency.
 5. Harvest cells after 15-18 days.
 6. Seed cells into a 300 x 300 mm flask.
 7. Incubate cells for 10 days.
 8. Harvest cells for analysis.

Incubation Atmosphere 37°C, 5% CO2

Flask Coating None

