

MDBK (NBL-1) | 600396

General Information

Description

MDBK (NBL-1) is a cell line derived from a mouse. It is a fibroblast cell line that is used for various research purposes. The cell line is characterized by its ability to grow in culture and its sensitivity to certain treatments. It is a clonal cell line that is derived from a single cell. The cell line is maintained in a specific medium and is used for various research purposes. The cell line is characterized by its ability to grow in culture and its sensitivity to certain treatments. It is a clonal cell line that is derived from a single cell. The cell line is maintained in a specific medium and is used for various research purposes.

Organism

Tissue

Synonyms MDBK (NBL-1) NBL-1

Characteristics

Breed/Subspecies

Age

Gender

Morphology

Growth properties

Identification

Citation MDBK (NBL-1) (| 600396)

Biosafety level 1

NCBI_TaxID 9913

CellosaurusAccession CVCL_0421

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed tube.
2. Add 1 mL of complete medium to the tube. Centrifuge at 300 × g for 3 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 24-well plate (37,000 cells per well) or a 96-well plate (3,700 cells per well).
4. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The cells should reach 70% confluency within 24 hours.
5. Once cells are confluent, they can be used for experiments or passaged. Passaging is performed by trypsinizing the cells and seeding them into new wells.
6. For passaging, use 300 × g for 3 minutes to pellet the cells. Resuspend the cells in 1 mL of complete medium.
7. Seed the cells into a 24-well plate (10⁶ cells per well) or a 96-well plate (10⁵ cells per well).
8. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The cells should reach 70% confluency within 24 hours.

Incubation Atmosphere 37 °C, 5% CO₂, humidified

Flask Coating Not required

Freezing Procedure Seed cells into a 24-well plate (37,000 cells per well) or a 96-well plate (3,700 cells per well). Harvest cells by trypsinization and centrifugation. Resuspend the cell pellet in 1 mL of freezing medium and store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150 °C to -196 °C in liquid nitrogen.

MDBK (NBL-1) / HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR testing is performed to ensure sterility.