

MDBK (NBL-1) | 600396

General Information

Description	MDBK, Madin-Darby Bovine Kidney cells (Madin-Darby Bovine Kidney, NBL-1), Eimeria bovis, Vesicular stomatitis Orsay (Indiana), parainfluenza 3.
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Organism	Bos taurus
Tissue	Kidney
Synonyms	MDBK (NBL-1), NBL-1, Madin-Darby Bovine Kidney, Madin-Darby Bovine Kidney

Characteristics

Breed/Subspecies	Bos taurus
Age	Adult
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent, continuous

References and Safety

Citation	MDBK (NBL-1) (ATCC CCL-22) Cytion 600396
Biosafety level	1
NCBI_TaxID	9913

Product sheet

MDBK (NBL-1) | 600396

CellosaurusAccession CVCL_0421

MDBK (NBL-1) | 600396

Viruses MDBK (NBL-1) (BVD).

Virus susceptibility MDBK (NBL-1) is susceptible to BVD, MDK (MDK-1), MDK (MDK-2), MDK (MDK-3), MDK (MDK-4), MDK (MDK-5), MDK (MDK-6), MDK (MDK-7), MDK (MDK-8), MDK (MDK-9), MDK (MDK-10), MDK (MDK-11), MDK (MDK-12), MDK (MDK-13), MDK (MDK-14), MDK (MDK-15), MDK (MDK-16), MDK (MDK-17), MDK (MDK-18), MDK (MDK-19), MDK (MDK-20), MDK (MDK-21), MDK (MDK-22), MDK (MDK-23), MDK (MDK-24), MDK (MDK-25), MDK (MDK-26), MDK (MDK-27), MDK (MDK-28), MDK (MDK-29), MDK (MDK-30), MDK (MDK-31), MDK (MDK-32), MDK (MDK-33), MDK (MDK-34), MDK (MDK-35), MDK (MDK-36), MDK (MDK-37), MDK (MDK-38), MDK (MDK-39), MDK (MDK-40), MDK (MDK-41), MDK (MDK-42), MDK (MDK-43), MDK (MDK-44), MDK (MDK-45), MDK (MDK-46), MDK (MDK-47), MDK (MDK-48), MDK (MDK-49), MDK (MDK-50), MDK (MDK-51), MDK (MDK-52), MDK (MDK-53), MDK (MDK-54), MDK (MDK-55), MDK (MDK-56), MDK (MDK-57), MDK (MDK-58), MDK (MDK-59), MDK (MDK-60), MDK (MDK-61), MDK (MDK-62), MDK (MDK-63), MDK (MDK-64), MDK (MDK-65), MDK (MDK-66), MDK (MDK-67), MDK (MDK-68), MDK (MDK-69), MDK (MDK-70), MDK (MDK-71), MDK (MDK-72), MDK (MDK-73), MDK (MDK-74), MDK (MDK-75), MDK (MDK-76), MDK (MDK-77), MDK (MDK-78), MDK (MDK-79), MDK (MDK-80), MDK (MDK-81), MDK (MDK-82), MDK (MDK-83), MDK (MDK-84), MDK (MDK-85), MDK (MDK-86), MDK (MDK-87), MDK (MDK-88), MDK (MDK-89), MDK (MDK-90), MDK (MDK-91), MDK (MDK-92), MDK (MDK-93), MDK (MDK-94), MDK (MDK-95), MDK (MDK-96), MDK (MDK-97), MDK (MDK-98), MDK (MDK-99), MDK (MDK-100).

Virus resistance MDBK (NBL-1) is resistant to MDK (MDK-1).

Reverse transcriptase MDBK (NBL-1) is a reverse transcriptase.

Products MDBK (NBL-1) is a product.

MDBK (NBL-1) | 600396

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (MDK (MDK-1) Cytion 820100a)

Supplements MDBK (NBL-1) 10% FBS 1% NEAA

Dissociation Reagent MDBK (NBL-1)

Subculturing MDBK (NBL-1) is subcultured in MDK (MDK-1) PBS MDK (MDK-2) T25, MDK (MDK-3) 3-5 MDK (MDK-4) PBS, MDK (MDK-5) 3 MDK (MDK-6) MDK (MDK-7) MDK (MDK-8) MDK (MDK-9) MDK (MDK-10) MDK (MDK-11) MDK (MDK-12) MDK (MDK-13) MDK (MDK-14) MDK (MDK-15) MDK (MDK-16) MDK (MDK-17) MDK (MDK-18) MDK (MDK-19) MDK (MDK-20) MDK (MDK-21) MDK (MDK-22) MDK (MDK-23) MDK (MDK-24) MDK (MDK-25) MDK (MDK-26) MDK (MDK-27) MDK (MDK-28) MDK (MDK-29) MDK (MDK-30) MDK (MDK-31) MDK (MDK-32) MDK (MDK-33) MDK (MDK-34) MDK (MDK-35) MDK (MDK-36) MDK (MDK-37) MDK (MDK-38) MDK (MDK-39) MDK (MDK-40) MDK (MDK-41) MDK (MDK-42) MDK (MDK-43) MDK (MDK-44) MDK (MDK-45) MDK (MDK-46) MDK (MDK-47) MDK (MDK-48) MDK (MDK-49) MDK (MDK-50) MDK (MDK-51) MDK (MDK-52) MDK (MDK-53) MDK (MDK-54) MDK (MDK-55) MDK (MDK-56) MDK (MDK-57) MDK (MDK-58) MDK (MDK-59) MDK (MDK-60) MDK (MDK-61) MDK (MDK-62) MDK (MDK-63) MDK (MDK-64) MDK (MDK-65) MDK (MDK-66) MDK (MDK-67) MDK (MDK-68) MDK (MDK-69) MDK (MDK-70) MDK (MDK-71) MDK (MDK-72) MDK (MDK-73) MDK (MDK-74) MDK (MDK-75) MDK (MDK-76) MDK (MDK-77) MDK (MDK-78) MDK (MDK-79) MDK (MDK-80) MDK (MDK-81) MDK (MDK-82) MDK (MDK-83) MDK (MDK-84) MDK (MDK-85) MDK (MDK-86) MDK (MDK-87) MDK (MDK-88) MDK (MDK-89) MDK (MDK-90) MDK (MDK-91) MDK (MDK-92) MDK (MDK-93) MDK (MDK-94) MDK (MDK-95) MDK (MDK-96) MDK (MDK-97) MDK (MDK-98) MDK (MDK-99) MDK (MDK-100).

Seeding density 1×10^4 cells/cm²

Fluid renewal MDBK (NBL-1) 3 MDK (MDK-1)

Post-Thaw Recovery MDBK (NBL-1)

Freeze medium MDBK (NBL-1) MDK (MDK-1) MDK (MDK-2) MDK (MDK-3) MDK (MDK-4) MDK (MDK-5) MDK (MDK-6) MDK (MDK-7) MDK (MDK-8) MDK (MDK-9) MDK (MDK-10) MDK (MDK-11) MDK (MDK-12) MDK (MDK-13) MDK (MDK-14) MDK (MDK-15) MDK (MDK-16) MDK (MDK-17) MDK (MDK-18) MDK (MDK-19) MDK (MDK-20) MDK (MDK-21) MDK (MDK-22) MDK (MDK-23) MDK (MDK-24) MDK (MDK-25) MDK (MDK-26) MDK (MDK-27) MDK (MDK-28) MDK (MDK-29) MDK (MDK-30) MDK (MDK-31) MDK (MDK-32) MDK (MDK-33) MDK (MDK-34) MDK (MDK-35) MDK (MDK-36) MDK (MDK-37) MDK (MDK-38) MDK (MDK-39) MDK (MDK-40) MDK (MDK-41) MDK (MDK-42) MDK (MDK-43) MDK (MDK-44) MDK (MDK-45) MDK (MDK-46) MDK (MDK-47) MDK (MDK-48) MDK (MDK-49) MDK (MDK-50) MDK (MDK-51) MDK (MDK-52) MDK (MDK-53) MDK (MDK-54) MDK (MDK-55) MDK (MDK-56) MDK (MDK-57) MDK (MDK-58) MDK (MDK-59) MDK (MDK-60) MDK (MDK-61) MDK (MDK-62) MDK (MDK-63) MDK (MDK-64) MDK (MDK-65) MDK (MDK-66) MDK (MDK-67) MDK (MDK-68) MDK (MDK-69) MDK (MDK-70) MDK (MDK-71) MDK (MDK-72) MDK (MDK-73) MDK (MDK-74) MDK (MDK-75) MDK (MDK-76) MDK (MDK-77) MDK (MDK-78) MDK (MDK-79) MDK (MDK-80) MDK (MDK-81) MDK (MDK-82) MDK (MDK-83) MDK (MDK-84) MDK (MDK-85) MDK (MDK-86) MDK (MDK-87) MDK (MDK-88) MDK (MDK-89) MDK (MDK-90) MDK (MDK-91) MDK (MDK-92) MDK (MDK-93) MDK (MDK-94) MDK (MDK-95) MDK (MDK-96) MDK (MDK-97) MDK (MDK-98) MDK (MDK-99) MDK (MDK-100).

MDBK (NBL-1) | 600396

Thawing and Culturing Cells

1. Thaw the cryovials rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 10 mL of complete medium. Seed the cells into a T25 flask containing 10 mL of complete medium.
2. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new T25 flask.
3. For long-term storage, harvest the cells by trypsinization. Resuspend the cells in 1 mL of complete medium. Add 100 µL of 10% FBS. Store the cells in a cryovial at -150°C.
4. Thaw the cryovial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 10 mL of complete medium. Seed the cells into a T25 flask containing 10 mL of complete medium.
5. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new T25 flask.
6. For long-term storage, harvest the cells by trypsinization. Resuspend the cells in 1 mL of complete medium. Add 100 µL of 10% FBS. Store the cells in a cryovial at -150°C.
7. Thaw the cryovial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 10 mL of complete medium. Seed the cells into a T25 flask containing 10 mL of complete medium.
8. Incubate the cells in a humidified incubator at 37°C with 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new T25 flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells by trypsinization. Resuspend in 1 mL of complete medium. Add 100 µL of 10% FBS. Store in a cryovial at -78°C.

Shipping Conditions Store at -78°C. Ship on dry ice.

Storage Conditions Store at -150°C. 196 vials per vial.

MDBK (NBL-1) / HLA

Sterility

MDBK (NBL-1) is supplied as a sterile suspension in complete medium. The cells are free of mycoplasmas and other contaminants. The cells are tested for sterility using PCR.

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