

MADB106 | 305205

Description	Cell line derived from Madin-Darby canine kidney (MDCK) cells, a continuous epithelial cell line from the kidney of the dog (Canis familiaris). The cells are characterized by their ability to form tight junctions and are commonly used in studies of renal physiology and drug transport. MDCK cells are derived from the kidney of the dog (Canis familiaris) and are characterized by their ability to form tight junctions and are commonly used in studies of renal physiology and drug transport.
Organism	Canis familiaris
Disease	MDCK cells are commonly used in studies of renal physiology and drug transport.
Synonyms	MADB-106, MADB 106
Breed/Subspecies	MDCK 344
Gender	MDCK
Morphology	Epithelial
Growth properties	MDCK
Citation	MADB106 (MDCK cells) Cytion: 305205
Biosafety level	1
NCBI_TaxID	10116
CellosaurusAccession	CVCL_BT04
Culture Medium	RPMI 1640, 2.0 mM Glucose, 2.0 mM NaHCO3 (pH 7.2-7.4, 820700a, Gibco)

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Supplements	10% FBS
Dissociation Reagent	5 min 37 °C
Subculturing	10 min 37 °C
Seeding density	1 × 10 ⁴ cells/cm ²
Fluid renewal	2 × 3 days
Freeze medium	10% FBS + 10% DMSO
Thawing and Culturing Cells	1. Thaw cells in a water bath at 37 °C. 2. Add 10 ml of complete medium to the cells. 3. Seed cells into a 25 cm² flask. 4. Incubate cells for 24 hours. 5. Add 10 ml of complete medium to the cells. 6. Seed cells into a 25 cm² flask. 7. Incubate cells for 24 hours. 8. Add 10 ml of complete medium to the cells.
Incubation Atmosphere	37 °C, 5% CO ₂
Shipping Conditions	-78 °C
Storage Conditions	-150 °C to -196 °C

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Sterility

Das Produkt ist steril und kann direkt für PCR-Analysen verwendet werden. (PCR) Das Produkt ist steril und kann direkt für PCR-Analysen verwendet werden.