

MDCK-II | 305233

General information

Description	MDCK (Madin-Darby Canine Kidney type II) is a cell line derived from a malignant epithelial tumor of the kidney of a dog. It is a continuous cell line that grows in the presence of serum. MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum. MDCK-II is a continuous cell line that grows in the presence of serum. MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum. MDCK-II is a continuous cell line that grows in the presence of serum.
Organism	Canine
Tissue	Kidney
Disease	MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum.
Applications	MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum. MDCK-II is a continuous cell line that grows in the presence of serum. MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum. MDCK-II is a continuous cell line that grows in the presence of serum. MDCK-II is a derivative of MDCK that is adapted to grow in the presence of serum.
Synonyms	MDCK II, MDCKII, MDCK2, MDCK-2, MDCK MDCKII, MDCKII-WT

Characteristics

Breed/Subspecies	MDCK-II
Age	MDCK-II
Gender	MDCK-II
Morphology	MDCK-II
Cell type	MDCK-II
Growth properties	MDCK-II

Documentation

Citation	MDCK-II (MDCK-II) Cytion 305233
Biosafety level	1
NCBI_TaxID	9615

Product sheet

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CellosaurusAccession CVCL_0424

GMO Status

MDCK-II

MDCK-II

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

Supplements 10% FBS 1% NEAA

Dissociation Reagent

Doubling time 16–20

Subculturing

Split ratio 1 5

Seeding density

Fluid renewal 2 3

Freeze medium

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Thawing and
Culturing Cells

1. 将细胞冻存管放入 37°C 水浴中快速解冻，然后将细胞悬液转移到含有 2 ml 完全培养基的细胞培养瓶中，轻轻混匀。
2. 将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶放入 37°C 培养箱中培养。
3. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。
4. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。
5. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。
6. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。
7. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。
8. 将细胞培养瓶放入 37°C 培养箱中培养，待细胞贴壁后，将培养基更换为完全培养基。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液转移到含有 1 ml 完全培养基的细胞冻存管中，轻轻混匀。将细胞冻存管放入 -80°C 冰箱中冷冻。

Shipping
Conditions

将细胞冻存管放入冰袋中，放入保温箱中，在 2-8°C 条件下运输。

Storage
Conditions

将细胞冻存管放入 -150 至 -196°C 液氮中储存。

细胞冻存与复苏

Sterility

细胞冻存管在 121°C 高压灭菌 15 分钟。PCR 管在 121°C 高压灭菌 15 分钟。细胞培养瓶在 121°C 高压灭菌 15 分钟。