Product sheet

MDCK-II | 305233

Description	- II MDCK-II MDCK-II MDCK-II MDCK-II MDCK-II MDCK-II MDCK-II
Organism	
Tissue	
Disease	Normal kidney epithelium
Applications	Virology; epithelial transport studies; tight junction research; drug permeability assays; cell biology
Synonyms	MDCK II MDCKII MDCK2 MDCK-2 MDCK II MDCKII-WT

Breed/Subspecies	
Age	
Gender	
Morphology	Epithelial-like
Cell type	
Growth properties	

Citation	MDCK-II Cytion 305233
Biosafety level	1
NCBI_TaxID	9615

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CellosaurusAccession	CVCL_0424
GMO Status	No genetic modification; wildtype cell line

Culture Medium	EMEM MEM Eagle w 2 mM L- w 2.2 g/L NaHCO3 w EBSS Cytion 820100a
Supplements	10% FBS 1% NEAA
Dissociation Reagent	Accutase
Doubling time	approx. 16-20 hours
Subculturing	PBS T25 3-5 PBS T75 5-10 Accutase T25 1-2 T75 2.5
Split ratio	1 to 5
Seeding density	2 to 5 x 10^4 cells/cm^2
Fluid renewal	2 to 3 times per week
Freeze medium	FBS +10% DMSO CM-1 Cytion 800100 CM-1 Cytion 800100

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Thawing and Culturing Cells	1. 2. -150°C 3 3. 37°C 40-60 4. 70% 5. 8 15 6. 300 x g 3 7. 10 T25 T25 8.
Incubation Atmosphere	37°C, 5% $_{CO2}$,
Flask Coating	
Freezing Procedure	-78 °C
Shipping Conditions	-78 °C
Storage Conditions	-150 -196 -80 °C
Sterility	PCR