

imWilms1 | 300412

General information

Description

imWilms1 is a cell line derived from a Wilms tumor, characterized by the presence of WT1. It is used for research in pediatric cancer models.

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Organism Human

Tissue Kidney

Disease Wilms tumor

Synonyms IM-WT-1

Characteristics

Age 10 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Primary

Growth properties Adherent

References






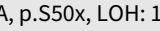































Citation imWilms1 (Cytion 300412)

Biosafety level 1

NCBI_TaxID 9606

Product sheet

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CellosaurusAccession	CVCL_A5SN
GMO Status	GMO-S1:   Wilms  imWilms1   T SV40                 
	
Mutational profile	  WT1:  c. 149 C>A, p.S50x, LOH: 11p11-11pter,   CTNNB1:  TCT>TTT, p.S45F
	
Culture Medium	 MSCGM ( Lonza)
Dissociation Reagent	
Subculturing	                    3                    
Fluid renewal	1  2 
Freeze medium	                   

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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4-15°C. Remove the supernatant and resuspend the cells in 15 µl of medium.
3. **Resuspension:** Resuspend the cells in 10 µl of medium. Add the cells to a pre-warmed flask containing 8 µl of medium.
4. **Seeding:** Seed the cells into a 96-well plate (15 µl per well) or a 24-well plate (8 µl per well).
5. **Incubation:** Incubate the cells at 37°C in 5% CO₂ for 24-48 hours.
6. **Media Change:** After 24-48 hours, change the medium to fresh medium.
7. **Passaging:** Pass the cells into a new flask or plate when they reach 70-80% confluency.
8. **Storage:** Store the cells in liquid nitrogen for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating No coating

Freezing Procedure Freeze the cells in a freezing medium and store in liquid nitrogen at -78°C.

Shipping Conditions Ship the cells in a cooling pack at -78°C.

Storage Conditions Store the cells in liquid nitrogen at -150 °C for up to 196 weeks.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable viruses.

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XXXXXXXXXX HLA

A*: '03:01:01, '24:02:01

B*: '35:03:01, '38:01:01

C*: 12:03:01

DRB1*: 07:01:01, 14:54:01

DQA1*: '01:04:01, '02:01:01

DQB1*: '02:02:01, '05:03:01

DPB1*: '02:01:02G, '04:02:01G

E: 01:03:01, 01:03:02