

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 on Wilms tumor and related diseases.

imWilms1 is a cell line derived from a Wilms tumor, characterized by the presence of WT1. It is used for research on Wilms tumor and related diseases.

imWilms1 is a cell line derived from a Wilms tumor, characterized by the presence of WT1. It is used for research on Wilms tumor and related diseases.

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

Documentation






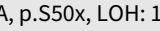





Citation imWilms1 (Cytion 300412)

Biosafety level 1

NCBI_TaxID 9606

Product sheet

imWilms1 | 300412

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	     
Fluid renewal	1  2 
Freeze medium	     

ImWilms1 | 300412

Thawing and Culturing Cells

1. **Thawing:** Remove the vial from liquid nitrogen storage and immerse it in a 37°C water bath. Gently swirl the vial to thaw the cells. Transfer the cells to a pre-warmed tube.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in a pre-warmed medium.
3. **Seeding:** Seed the cells into a pre-warmed flask (e.g., T25) at a density of 15 x 10⁴ cells per flask. Incubate at 37°C with 5% CO₂.
4. **Media Change:** After 24 hours, change the medium to fresh pre-warmed medium. Remove the supernatant and resuspend the cells in a pre-warmed medium.
5. **Passaging:** When cells reach 70-80% confluence, passage them into a new flask. Use trypsin to detach the cells and seed them at a density of 15 x 10⁴ cells per flask.
6. **Freezing:** For long-term storage, harvest cells at 70-80% confluence. Resuspend in freezing medium and freeze in a vial at -150°C.
7. **Thawing:** Thaw the vial in a 37°C water bath. Transfer the cells to a pre-warmed tube and centrifuge at 300 x g for 3 minutes at 4°C.
8. **Seeding:** Seed the cells into a pre-warmed flask at a density of 15 x 10⁴ cells per flask. Incubate at 37°C with 5% CO₂.

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

Flask Coating Cell culture medium, 10 minutes, 37°C

Freezing Procedure Harvest cells at 70-80% confluence. Resuspend in freezing medium and freeze in a vial at -150°C.

Shipping Conditions Store at -150°C. Ship in a dry ice container at -78°C.

Storage Conditions Store at -150°C. Maximum storage time: 196 days.

ImWilms1 / ImWilms1 / HLA

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

XXXXXXXXXXimWilms1 | 300412

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