

### ImWilms10T | 300419

#### ImWilms10T

**Description**

ImWilms10T is a cell line derived from a Wilms tumor, which is a type of kidney cancer that primarily affects children. The cell line is characterized by the presence of the WT1 gene and the loss of the WT1 gene on chromosome 11p15.5. The cell line is maintained in the presence of SV40 and is used for research on Wilms tumor and related diseases.

**Organism** Human

**Tissue** Kidney

**Disease** Wilms tumor

**Synonyms** ImWilms10 T, IM-WT-10

#### Characteristics

**Age** Not applicable

**Gender** Not applicable

**Ethnicity** Not applicable

**Morphology** Epithelial

**Cell type** Epithelial

**Growth properties** Adherent

#### References

**Citation** ImWilms10T (Cytion 300419)

**Biosafety level** 1

**NCBI\_TaxID** 9606



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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°C.
3. **Resuspension:** Resuspend the cells in 10 ml of pre-warmed medium.
4. **Seeding:** Seed the cells into a 150 cm<sup>2</sup> flask containing 150 ml of pre-warmed medium.
5. **Incubation:** Incubate the cells at 37°C in 5% CO<sub>2</sub>.
6. **Monitoring:** Monitor the cell growth and confluency.
7. **Passaging:** Pass the cells when they reach 70-80% confluency.
8. **Storage:** Store the cells in liquid nitrogen for long-term storage.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Freezing Procedure** Harvest cells and resuspend in freezing medium. Store at -80°C.

**Shipping Conditions** Ship at -80°C.

**Storage Conditions** Store at -150°C for 196 days.

#### Genotype / HLA

**Sterility** Cells are tested for mycoplasma contamination. PCR testing is performed.

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**XXXXXXXXXX HLA**

**A\*:** '01:01:01, '11:01:01

**B\*:** '18:01:01, '27:05:02

**C\*:** '01:02:01, '12:03:01

**DRB1\*:** '01:01:01, '11:04:01

**DQA1\*:** '01:01:01, '05:05:01

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

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

**E:** 01:01:01