

WI-38 | 300428

XXXXXX XXXXXX

[illegible]

XXXXXXXXXXXX

Age	3 000000 000000
Gender	0000
Ethnicity	0000000
Morphology	00000 000000
Cell type	00000000000
Growth properties	000

XXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Citation WI 38 (XXXXX XXXXXX Cytion 300428)

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Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0579

GMO Status **Not a GMO**; **Not a GMO** (no genetic modification) (~50 generations)

WI-38 - **Human embryonic kidney**

WI-38

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 **Trypsin**

Subculturing **WI-38** cells are grown in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are passaged by trypsinization and seeding into new flasks. Cells are typically passaged every 3-5 days.

Split ratio 1 : 5

Seeding density 3×10^3 cells/cm²

Fluid renewal **2-3 times**

Freeze medium **WI-38** cells are frozen in **10% FBS** + 10% DMSO. Cells are frozen in liquid nitrogen and stored at -196°C.

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Thawing and
Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Seed cells into a pre-warmed medium. Incubate at 37°C in 5% CO₂ atmosphere.
3. Monitor cell growth and morphology. Cells should reach confluence within 7-10 days.
4. Harvest cells when they reach 70-80% confluence.
5. Seed cells into a new flask. Incubate at 37°C in 5% CO₂ atmosphere.
6. Monitor cell growth and morphology. Cells should reach confluence within 7-10 days.
7. Harvest cells when they reach 70-80% confluence.
8. Seed cells into a new flask. Incubate at 37°C in 5% CO₂ atmosphere.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing
Procedure

Cells are frozen in a freezing medium and stored at -80°C.

Shipping
Conditions

Cells are shipped in a dry ice container and stored at -80°C.

Storage
Conditions

Cells are stored in a freezing medium at -80°C for up to 196 days.

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Sterility

Cells are tested for sterility using PCR and other methods. Cells are found to be free of contamination.

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HLA

A*: '02:05:01, '68:01:01

B*: '08:01:01, '58:01:01

C*: 07:01:01, 07:18:01

DRB1*: 11:01:01, 13:02:01

DQA1*: '01:02:01, '05:05:01

DQB1*: 03:01:01, 06:09:01

DPB1*: '03:01:01, '04:01:01

E: '01:01:01, '01:03:01