

MeWo | 300285

MeWo 300285

Description	MeWo is a human melanoma cell line established from a 78-year-old male patient with a primary melanoma of the back. The cells were derived from a biopsy specimen and were cultured in DMEM supplemented with 10% FBS. The cells were characterized by their morphology, growth properties, and by the expression of melanoma-associated markers (VZV, S100, HMB-45, Melan-A, etc.).
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Melanoma
Applications	Research
Synonyms	MEWO, Mewo, Me Wo, Me-Wo, Mevo, SK-MEL-MeWo, Mel-MeWo, BI-Mel, EST50

MeWo 300285

Age	78 years
Gender	Male
Ethnicity	German
Morphology	Epithelial
Growth properties	Adherent

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Citation	MeWo (MeWo 300285 Cytion 300285)
Biosafety level	1
NCBI_TaxID	9606

CellosaurusAccession CVCL_0445

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Cytion GmbH | Nikola-Tesla-Str. 3 | 69124 Heidelberg | Heidelberg
Heidelberg: +49(0)6221 405780 | www.cytion.com | info@cytion.com

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**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 5 minutes at 4°C. Remove the supernatant and resuspend the cells in pre-warmed medium.
3. **Seeding:** Seed the cells into a pre-warmed medium in a 37°C incubator.
4. **Media Change:** Change the media after 24 hours to fresh pre-warmed medium.
5. **Incubation:** Incubate the cells at 37°C in 5% CO₂ atmosphere.
6. **Passaging:** Pass the cells into a new medium when they reach 70% confluency.
7. **Freezing:** Freeze the cells in a freezing medium at -80°C for long-term storage.
8. **Thawing:** Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified air

Flask Coating

Yes

**Freezing
Procedure**

Freeze the cells in a freezing medium at -80°C for long-term storage.

**Shipping
Conditions**

Ship the cells in a dry ice container at -78°C.

**Storage
Conditions**

Store the cells at -150°C for 196 hours.

Sterility

The cells are sterile and free of mycoplasmas. PCR screening confirmed the absence of mycoplasmas.

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HLA

A*: '02:01:01, '26:01:01
B*: 14:02:01, 38:01:01
C*: 08:02:01, 12:03:01
DRB1*: '01:02:01, '11:01:01G
DQA1*: '01:01:02, '05:05:01
DQB1*: '03:01:01G, '05:01:01G
DPB1*: '04:01:01G, '04:02:01G
E: '01:xx, '01:03:01