

OCUM-1 | 305612

OCUM-1

Description	OCUM-1 is a human uveal melanoma cell line established from a 38-year-old male patient with a primary uveal melanoma. The cell line is characterized by its high tumorigenicity and ability to form pigmented nodules in nude mice. OCUM-1 cells express melanocytic markers and are highly sensitive to anti-melanoma therapy. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin.
Organism	Human
Tissue	Uveal melanoma
Disease	Uveal melanoma
Metastatic site	Metastatic to the liver
Synonyms	OCUM1, OCUM-1, OCUM-1, OCUM-1

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Age	38 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells, highly tumorigenic
Cell type	Uveal melanoma
Growth properties	Highly tumorigenic

OCUM-1

Citation	OCUM-1 (Cytion: 305612)
Biosafety level	1
NCBI_TaxID	9606

CellosaurusAccession CVCL_3084

[illegible]

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Freeze medium α MEM + 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage and allow it to thaw at room temperature for 1-2 minutes.
2. Dilute the cells into 1 ml of pre-warmed medium and transfer to a 15 ml centrifuge tube.
3. Centrifuge at 300 x g for 5 minutes at 4°C.
4. Remove the supernatant and resuspend the cells in 1 ml of pre-warmed medium.
5. Seed the cells into a 24-well plate (150,000 cells per well) or a 96-well plate (15,000 cells per well).
6. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
7. After 24 hours, check the cell morphology and density.
8. If the cells are not adhering, add 1 ml of medium and incubate for 24 hours.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Shipped on dry ice, -78°C

Storage
Conditions

Store at -150°C to -196°C in liquid nitrogen

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Sterility

OCUM-1 cells are certified to be free of mycoplasma contamination (PCR).
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