

MA-CLS-2 | 300271

General information

Description	MA-CLS-2 is a cell line derived from a patient with metastatic melanoma. It is a highly tumorigenic cell line that grows as a monolayer in DMEM supplemented with 10% FBS. MA-CLS-2 cells are characterized by their high proliferation rate and their ability to form colonies in soft agar. MA-CLS-2 cells are highly tumorigenic and can be used for various applications, including drug screening and basic research. MA-CLS-2 cells are highly tumorigenic and can be used for various applications, including drug screening and basic research.
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Metastatic site	Metastatic melanoma
Synonyms	MACLS-2, MACLS2

Cell characteristics

Age	47 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	High proliferation rate, tumorigenic

Cell line identification

Citation	MA-CLS-2 (Cytion 300271)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4571

Product sheet

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Cell line

Tumorigenic Yes, tumorigenic in nude mice

Ploidy status Diploid

Media

Culture Medium RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged by trypsinization when they reach 80-90% confluency. Cells are seeded into new flasks at a density of 2×10^4 cells per flask.

Seeding density 2×10^4 cells / flask

Fluid renewal 2-3 times per week

Post-Thaw Recovery 100%

Freeze medium RPMI 1640 medium supplemented with 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C CO₂培养箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C 液氮中冷冻，然后将培养瓶放入-150°C 液氮中冷冻，然后将培养瓶放入-150°C 液氮中冷冻。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C CO₂培养箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入70% 乙醇中冷冻。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入15 μl 8 μl 的细胞悬液中。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入300 x g 3 分钟的离心管中。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10 μl 8 μl 的细胞悬液中。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C 液氮中冷冻。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C 液氮中冷冻。

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C 液氮中冷冻。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C 液氮中冷冻。

Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C 液氮中冷冻。

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HLA

A*: '24:02:01, '29:02:01
B*: '18:01:01, '51:08:01
C*: '12:03:01, '16:02:01
DRB1*: 05:12, 04:03:01
DQA1*: '03:01:01, '05:01:01
DQB1*: '02:01:01, '03:02:01
DPB1*: 04:01:01
E: '01:01:01, '01:03:02