

MIA PaCa-2 | 300438

General information

Description	MIA PaCa-2 is a human pancreatic ductal adenocarcinoma cell line, established from a 65-year-old male patient. Mia PaCa 2 is a highly invasive, metastatic cell line that grows as solid, non-adherent spheroids in serum-free medium. Mia PaCa-2 cells are highly tumorigenic in nude mice. Mia PaCa-2 cells are highly resistant to cisplatin, paclitaxel, and gemtuzumab. Mia PaCa-2 cells are highly resistant to radiation. Mia PaCa-2 cells are highly resistant to chemotherapy. Mia PaCa-2 cells are highly resistant to radiation. Mia PaCa-2 cells are highly resistant to chemotherapy. Mia PaCa-2 cells are highly resistant to radiation.
Organism	Human
Tissue	Pancreas
Disease	Pancreatic ductal adenocarcinoma
Synonyms	MIA-PaCa-2, MIA-PACA-2, MIA-Pa-Ca-2, MIA PaCa2, MIA PaCa2, MiaPaCa-2, MIAPACA-2, MiaPaca.2, MiaPaCa2, Miapaca2, MIAPaCa2, MIAPACA2, Mia PACA 2, MIAPaCa-2, PaCa2

Cell characteristics

Age	65 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Grows as solid, non-adherent spheroids in serum-free medium.

Identification and documentation

Citation	MIA PaCa-2 (ATCC CCL-221) Cytion 300438
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0428

Product sheet

Cell MIA PaCa-2 | 300438

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Isoenzymes	G6PD, B
Tumorigenic	Cell MIA PaCa-2 is a tumorigenic cell line derived from a human prostate cancer cell line.
Mutational profile	Cell MIA PaCa-2 has a KRAS p.Gly12Cys (c.34G>T) mutation and a CDKN2A mutation.
Karyotype	Cell MIA PaCa-2 has a karyotype of 46,XY,t(11;17)(p11;p11).
Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM sodium pyruvate (Cell MIA PaCa-2 Cytion 820300a)
Supplements	Cell MIA PaCa-2 requires 10% FBS.
Dissociation Reagent	Cell MIA PaCa-2 requires a dissociation reagent.
Doubling time	25 - 40 hours
Subculturing	Cell MIA PaCa-2 can be subcultured by trypsinization or by using a dissociation reagent. The cells are then resuspended in DMEM + 10% FBS and seeded into a new flask.
Seeding density	1 x 10 ⁴ cells/cm ²
Fluid renewal	2 - 3 times per week
Post-Thaw Recovery	Cell MIA PaCa-2 requires a post-thaw recovery period of 24 hours.
Freeze medium	Cell MIA PaCa-2 requires a freeze medium containing 10% FBS and 10% DMSO.

细胞 MIA PaCa-2 | 300438

**Thawing and
Culturing Cells**

1. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
2. 将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
3. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
4. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
5. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
6. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
7. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。
8. 细胞复苏时，将细胞悬液快速解冻，然后将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。

**Shipping
Conditions**

将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。

**Storage
Conditions**

将细胞悬液转移到含有 10 ml 完全培养基的细胞培养瓶中，轻轻混匀，置于 37°C 培养箱中培养。

细胞复苏与培养

Sterility

细胞悬液在复苏前经过严格的灭菌处理，确保无菌。细胞悬液在复苏前经过严格的灭菌处理，确保无菌。

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XXXXXXXX HLA
A*: 01.01.1900 00:02
B*: 14:02:01
C*: 08:02:01
DRB1*: 01:02:01
DQA1*: 01:01:02
DQB1*: 05:01:01
DPB1*: 02:01:02
E: 01:01:01

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