

Panc02 | 300501

General information

Description	Panc02 is a pancreatic ductal adenocarcinoma (PDAC) cell line derived from a C57BL/6 mouse. It is characterized by its high tumorigenicity and its ability to form large, well-defined tumors in the pancreas. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is derived from a male mouse and is maintained in a humidified 5% CO2 atmosphere at 37°C. The cell line is characterized by its high tumorigenicity and its ability to form large, well-defined tumors in the pancreas. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is derived from a male mouse and is maintained in a humidified 5% CO2 atmosphere at 37°C.
Organism	Mouse
Tissue	Pancreas
Disease	PDAC
Synonyms	Panc-02, Panc 02, Pan02, PAN 02, Panc02-H0

Genetic information

Breed/Subspecies	C57BL/6
Age	8 weeks
Gender	Male
Growth properties	Adherent

Characterization and authentication

Citation	Panc02 (Cytion 300501)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_D627

Genomic and transcriptomic data

References

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Culture Medium

RPMI 1640, w: 2.0 mM CaCl_2 , 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. When cells reach confluence, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.

Freeze medium

Freezing medium consists of RPMI 1640 medium supplemented with 10% FBS and 10% DMSO.

Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C.
2. Add the cells to a flask containing pre-warmed medium.
3. Allow the cells to settle for 15 minutes.
4. Add 10% FBS to the medium.
5. Incubate the cells in a CO₂ incubator at 37°C.
6. Change the medium after 24 hours.
7. Pass the cells into a new flask when they reach confluence.
8. Store the cells in liquid nitrogen for long-term storage.

Incubation Atmosphere

37°C, 5% CO_2

Flask Coating

Not required

Freezing Procedure

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**Shipping
Conditions**

Shipping conditions: The product is shipped in a dry ice container and must be stored at -78°C.

**Storage
Conditions**

Storage conditions: The product is stored at -150 to -196 °C in a dry ice container.

Product name: Panc02 | 300501

Sterility

The product is sterile and can be used for PCR. The product is not for use in cell culture.