

Product sheet

PANC 08.13 | 305391

Description

Cell line PANC 08.13 (ATCC CRL-2939) PL9 (ATCC CRL-2939) (driver genes)
SNP 100K Affymetrix PANC 08.13
PANC 08.13 (driver genes)

Organism

Human

Tissue

Pancreas

Disease

Pancreatic cancer

Applications

Cell culture, Transfection

Synonyms

Panc 8.13, Panc-08.13, PANC-08-13, Panc_08_13, Panc08.13, Panc8.13, Panc-8_13, Panc-813, PANC 813, Panc813, PANC813, PANC0813, Panc0813, Pa14C, PL9, PL-9

Age

85 days

Gender

Male

Ethnicity

Not applicable

Morphology

Epithelial cells

Cell type

Epithelial cells

Growth properties

Adherent

Citation

PANC 08.13 (ATCC CRL-2939) Cytion 305391

Biosafety level

1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1638

Antigen expression MHC class I +; MHC class II -

Oncogenes KRAS, TP53

Tumorigenic Yes; SCID

Mutational profile KRAS, p.Gly12Asp (c.35G>A), SMAD4, p.Cys123Metfs*2 (c.353C>T)

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements 10% FBS 0.01 mg/ml insulin, transferrin, selenium

Dissociation Reagent Trypsin

Doubling time 20 days

Subculturing 1:2 to 1:10 in fresh medium

Seeding density 1–3 × 10⁴/cm²

Fluid renewal 2–3 times per week

Freeze medium DMEM (10% FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw cells quickly in a water bath at 37°C.
2. Add cells to 5 ml cryovial and store at -150 °C.
3. Thaw cells quickly in a water bath at 37°C.
4. Centrifuge cells at 300 x g for 3 min.
5. Remove supernatant and resuspend cells in 15 ml medium.
6. Seed cells into a 25 cm² flask.
7. Incubate cells at 37°C, 5% CO₂.
8. Monitor cell growth and passage cells when needed.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Cells are shipped on dry ice in a cool box.

Storage
Conditions

Cells can be stored at -150 °C for up to 1 year.

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for endotoxin levels.