

Product sheet

Panc 03.27 | 305381

Description

Panc 03.27 (PL11) is a human pancreatic cancer cell line derived from a 65-year-old male patient. The cell line is characterized by its high growth rate and ability to form xenografts in immunodeficient mice. It is a highly aggressive cell line with a high degree of metastatic potential. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. The cell line is characterized by its high growth rate and ability to form xenografts in immunodeficient mice. It is a highly aggressive cell line with a high degree of metastatic potential. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin.

Organism

Human

Tissue

Pancreas

Disease

Pancreatic cancer

Synonyms

Panc 3.27, Panc-03.27, PANC-03-27, Panc_03_27, Panc-3_27, PANC3.27, Panc3.27, Panc3_27, Panc-327, PANC 327, Panc327, PANC0327, Panc0327, PL11, PL-11

Age

65 years

Gender

Male

Ethnicity

White

Morphology

Epithelial

Cell type

Epithelial

Growth properties

Adherent

Citation

Panc 03.27 (PL11) (Cytion: 305381)

Biosafety level

1

NCBI_TaxID

9606

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CellosaurusAccession CVCL_1635

Antigen expression
 HLA-A*01:01 MHC class II
 HLA-B*08:01 MHC class II
 HLA-DRB1*03:01 MHC class II
 ABO Rh+

Oncogenes
 KRAS (G12V)

Mutational profile
 KRAS p.Gly12Val (c.35G>T) TP53 c.375+5G>T

Culture Medium
 RPMI 1640 2.0 mM L-glutamine 2.0 mM NaHCO3 (820700a)

Supplements
 15% FBS 0.01 mM β-mercaptoethanol

Dissociation Reagent
 Trypsin

Subculturing
 Cells are seeded in 24-well plates at a density of 2-4 × 10⁴ cells per well in RPMI 1640 medium supplemented with 10% FBS. Media and cells are harvested at day 3-5 post-seeding.

Seeding density
 2-4*10⁴/cm²

Fluid renewal
 2-3 times per week

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培养瓶中，轻轻混匀。将培养瓶置于37°C孵育箱中，静置1小时。然后轻轻摇晃培养瓶，使细胞均匀分布。
2. 将细胞悬液加入含有培养基的培养瓶中，轻轻混匀。将培养瓶置于37°C孵育箱中，静置1小时。然后轻轻摇晃培养瓶，使细胞均匀分布。
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8. 将细胞悬液加入含有培养基的培养瓶中，轻轻混匀。将培养瓶置于37°C孵育箱中，静置1小时。然后轻轻摇晃培养瓶，使细胞均匀分布。

Incubation
Atmosphere

37 °C, 5% CO₂, 95% 空气

Shipping
Conditions

细胞在-78 °C下运输，使用干冰。

Storage
Conditions

细胞在-150 °C至-196 °C下长期储存。

Sterility

细胞在运输和储存过程中保持无菌。使用前，请通过PCR等方法验证细胞身份。