

**Product sheet**

**AsPC-1 | 300158**

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**Description** AsPC-1 is a cell line derived from a 62-year-old male patient with metastatic adenocarcinoma of the pancreas. The cell line is characterized by its ability to grow in soft agar and its sensitivity to HDAC AR-42 and LTP-1. AsPC-1 cells are positive for STAT3 and negative for p53. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. AsPC-1 cells are highly tumorigenic in nude mice and form large, well-differentiated adenocarcinomas. The cell line is a valuable tool for studying pancreatic cancer biology and drug response.

**Organism** Human

**Tissue** Pancreas

**Disease** Adenocarcinoma

**Metastatic site** Liver, Lung, Bone

**Synonyms** AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1, AsPC-1

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**Age** 62 years

**Gender** Male

**Ethnicity** Caucasian

**Growth properties** Adherent, Soft agar dependent

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**Citation** AsPC-1 (ATCC CRL-2739) | 300158

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellSaurusAccession** CVCL\_0152

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**Products** AsPC-1 (CEA) 1:100000

**Mutational profile** AsPC-1 1:100000 1:2: GGT(Gly) >GAT(Asp)

**AsPC-1**

**Culture Medium** RPMI 1640 2.0 2.0 NaHCO<sub>3</sub> (820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing** PBS

**Seeding density** 2 × 10<sup>4</sup>

**Fluid renewal** 2-3

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

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a pre-warmed flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified CO2 incubator with 70% relative humidity.
5. Monitor the cell growth and passage the cells when they reach 80-90% confluency.
6. Pass the cells into a new flask containing 300 x g for 3 minutes.
7. Seed the cells into a new flask containing 10 ml of pre-warmed medium.
8. Incubate the cells at 37°C in a humidified CO2 incubator with 70% relative humidity.

**Incubation Atmosphere** 37°C, 5% CO2, 95% humidity

**Flask Coating** None

**Freezing Procedure** Harvest cells and resuspend in freezing medium. Store at -150°C.

**Shipping Conditions** Dry ice, -78°C

**Storage Conditions** -150°C to -196°C

HLA

**Sterility** Sterilized by gamma irradiation (PCR) and autoclaved.

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XXXXXXXX HLA

**A\***: '01:01:01, '26:01:01

**B\***: '15:01:01

**C\***: '03:03:01, '03:04:01

**DRB1\***: '04:01:01, '13:02:01

**DQA1\***: '01:02:01, '03:01:01

**DQB1\***: '03:02:01, '06:04:01

**DPB1\***: '04:01:01:01 XXX'10:01:01:01 X

**E**: '01:01, '01:03