

## Cell Line | 300228

### General Information

<b>Description</b>	<p>PANC-1, a human pancreatic adenocarcinoma cell line, was established in 1971 from a 56-year-old male patient with a pancreatic adenocarcinoma. The cell line is characterized by its ability to grow in primary culture and its high tumorigenicity in nude mice. PANC-1 cells are highly sensitive to the chemotherapeutic agent gemtuzumab. The cell line is also characterized by its high proliferation rate and its ability to form xenografts in nude mice. PANC-1 cells are highly sensitive to the chemotherapeutic agent gemtuzumab. The cell line is also characterized by its high proliferation rate and its ability to form xenografts in nude mice.</p>
<b>Organism</b>	Human
<b>Tissue</b>	Pancreas
<b>Disease</b>	Adenocarcinoma
<b>Synonyms</b>	PANC-1, PANC.1, Panc 1, PanC1, Panc1, PANC1, Panc-1-P

### Characteristics

<b>Age</b>	56 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Growth properties</b>	Adherent

### Identification & Safety

<b>Citation</b>	Panc-1 (ATCC CCL-91)   Cytion 300228
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0480



**Panc-1 | 300228**

**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C in 5% CO<sub>2</sub>. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate.
5. Repeat the process for subsequent passages.
6. Store the cells in liquid nitrogen for long-term storage.
7. Thaw the cells and seed them into a new 96-well plate.
8. Incubate the cells at 37°C in 5% CO<sub>2</sub>.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified air

**Flask Coating** None

**Freezing Procedure** Harvest cells by trypsinization, wash with PBS, resuspend in freezing medium, and store in liquid nitrogen at -78°C.

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

**Storage Conditions** -150°C, 196 hours

**Genotype / HLA**

**Sterility** PCR confirmed, mycoplasma free

