

Panc-1 | 300228

General information

Description	PANC-1, is a human pancreatic ductal adenocarcinoma cell line established from a 56-year-old male patient with pancreatic cancer. The cell line is characterized by its ability to form multicellular spheroids in suspension culture and its sensitivity to the chemotherapeutic agent gemtuzumab. PANC-1 cells express the SSTR2 receptor, which is a target for somatostatin analogs. The cell line is also characterized by its high tumorigenicity in nude mice and its ability to form xenografts in immunodeficient mice. PANC-1 cells are derived from a primary tumor and are not contaminated by mycoplasmas or other pathogens. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% insulin-like growth factor-1 (IGF-1). PANC-1 cells are used for the study of pancreatic cancer biology and for the development of new therapies.
Organism	Human
Tissue	Pancreas
Disease	Pancreatic ductal adenocarcinoma
Synonyms	PANC-1, PANC.1, Panc 1, PanC1, Panc1, PANC1, Panc-1-P

Characteristics

Age	56 years
Gender	Male
Ethnicity	White
Growth properties	Adherent

Additional information

Citation	Panc-1 (Cytion 300228)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0480

