

All MSK sites plan to open at their normal time on Tuesday, February 24. [Please see more](#) .

×

Ready to start planning your care? Call us at [646-926-0945](tel:646-926-0945) to make an appointment.

×



Memorial Sloan Kettering  
Cancer Center

[Make an Appointment](#)

[Back](#)

[Find a Clinical Trial](#)

[Tangible Materials Available for Licensing](#)

[Learn About Cancer & Treatment](#)

## ABOUT US

[Our mission, vision & core values](#)

[Leadership](#)

[History](#)

[Inclusion & belonging](#)

[Annual report](#)

[Give to MSK](#)

## FOR THE MEDIA

extracellular matrix, such as Matrigel. The Capan-1 cells are resistant to 5-fluorouracil, reminiscent of the original tumor from which they were derived. They form poorly-differentiated tumors when injected into immunocompromised mice. These cells harbor a single base-pair deletion in the *BRCA2* allele, which results in the expression of a truncated and dysfunctional protein. In addition, they have an oncogenic mutation in K-Ras (G12V) and an inactivating mutation in p53. These cells express elevated levels of the Epidermal Growth Factor Receptor (EGFR) and do not express SMAD4 protein (i.e., SMAD4-null). The Capan-1 cells are useful both as a xenograft model for pancreatic cancer and as a cell system to study the effects of BRCA2-deficiency.

## Source

This cell line was established in 1974 from a metastatic site (liver) in a 40-year-old Caucasian male with pancreatic ductal adenocarcinoma.

## Inventors

Jorgen Fogh, PhD, formerly at Sloan Kettering Institute, Memorial Sloan Kettering

## Key References

- Fogh J et al. (1977) One hundred and twenty-seven cultured human tumor cell lines producing tumors in nude mice. *Journal of the National Cancer Institute* 59: 221-226 (PubMed ID: [327080](#) )
- Kyriazis AP et al. (1982) Human pancreatic adenocarcinoma line Capan-1 in tissue culture and the nude mouse: morphologic, biologic, and biochemical characteristics. *American Journal of Pathology* 106: 250-260 (PubMed ID: [6278935](#) )
- Deer EL et al. (2010) Phenotype and genotype of pancreatic cancer cell lines. *Pancreas* 39: 425-435 (PubMed ID: [20418756](#) )

## Licensing Information

This cell line may be licensed nonexclusively for research or commercial purposes.

- Express License: For internal research purposes by a for-profit entity: 1) Fill out MSK's ATCC Express License, see [here](#) for links to the online fillable ATCC Express License, as well as a PDF version. 2) After execution by MSK, you will receive a signed copy, and can then place your order with ATCC. For detailed guidance on how to fill out this webform, see [here](#) . Please note: In order to streamline and expedite the licensing of select MSK cell lines, the terms of this non-exclusive license are non-negotiable. This license is only available for select cell lines, including this one. Once this license has been executed by MSK, you will receive a signed copy and payment instructions; all payments up to \$10,000 must be made by credit card.
- Commercial License: Contact MSK's Tangible Materials team at [TRMOTDRTM@mskcc.org](mailto:TRMOTDRTM@mskcc.org) .

For non-licensing requests from academic-research institutions : Contact Frances Weis-Garcia, PhD, Associate Laboratory Member/Head, Antibody & Bioresource Core Facility, MSK, [646-888-2354](tel:646-888-2354) , [weisgarf@mskcc.org](mailto:weisgarf@mskcc.org) .

## Stage of Development

Ready to use

## Indications

[Cancer](#) > [Pancreatic](#)

## Types

[Research Tools](#) › [Cell Lines](#)

© 2026 Memorial Sloan Kettering Cancer Center