

2427T | 300167

General information

Description	2427T is a human breast cancer cell line established from a 64-year-old female patient. It is a highly invasive, metastatic cell line that grows in suspension and adherent culture. The cell line is characterized by its high tumorigenicity and its ability to form xenografts in nude mice. It is a highly invasive, metastatic cell line that grows in suspension and adherent culture. The cell line is characterized by its high tumorigenicity and its ability to form xenografts in nude mice. It is a highly invasive, metastatic cell line that grows in suspension and adherent culture. The cell line is characterized by its high tumorigenicity and its ability to form xenografts in nude mice.
Organism	Human
Tissue	Breast
Disease	Breast cancer

Cellular characteristics

Age	64 years
Gender	Female
Ethnicity	White
Growth properties	Highly invasive, metastatic

Genetic characteristics

Citation	2427T (ATCC CCL-2427) Cytion 300167
NCBI_TaxID	9606
CellosaurusAccession	CVCL_M070

Protein expression

Protein expression	High (SYP)
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Antigen expression CK5/6

Tumorigenic In vivo tumorigenicity studies in athymic mice showed that the cells are tumorigenic.

Characteristics

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 1.2 g/L NaHCO_3 820400a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in 75 cm² flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Freeze medium Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Thawing and Culturing Cells

1. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
2. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
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5. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
6. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
7. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
8. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged by trypsinization. Cells are seeded in 96-well plates at a density of 3 x 10³ cells per well. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO_2 , humidified

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Flask Coating

Freezing
Procedure

Shipping
Conditions

Storage
Conditions

Sterility

HLA

A*: 0,042372685, '68:01:02

B*: '07:02:01, '51:01:01

C*: 07:02:01, 15:02:01

DRB1*: '04:04:01, '11:01:01

DQA1*: 03:01:01, 05:05:01

DQB1*: 03:01:01, 03:02:01

DPB1*: '03:01:01, '04:01:01

E: 01:01:01