

TOV-112D | 305584

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Description	TOV-112D is a human epithelial cell line derived from a patient with pancreatic ductal adenocarcinoma. It is characterized by high expression of PTEN and low expression of TP53. TOV-112D cells are highly tumorigenic in nude mice and are used for studying the role of PTEN in pancreatic cancer.
Organism	Human (Homo sapiens)
Tissue	Pancreas
Disease	Pancreatic ductal adenocarcinoma
Metastatic site	Human (Homo sapiens)
Applications	TOV-112D cells are used for studying the role of PTEN in pancreatic cancer. They are also used for studying the effects of TP53 and PI3K/Akt signaling pathways.
Synonyms	TOV-112d, TOV112D, TOV-112, TOV112

TOV-112D | 305584

Age	42Y
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Cell type	Epithelial cells
Growth properties	Highly tumorigenic

TOV-112D | 305584

Citation	TOV-112D (Cytion) Cytion: 305584
Biosafety level	1

Product sheet

TOV-112D | 305584

NCBI_TaxID	9606
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CellosaurusAccession	CVCL_3612
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GMO Status	TP53 PTEN
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Mutational profile	p.Ser37Ala p.Leu639fs p.Arg175His
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Culture Medium	1:1 MCDB 105 1.5
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Supplements	15% FBS
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Dissociation Reagent	
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Doubling time	0.8 1.0 ± 0.2 22 1.49 29.13
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Subculturing	PBS Accutase 8-1
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Split ratio	1 5
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Seeding density	2-4*10 ⁴ /cm ²
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Fluid renewal	3
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Freeze medium	+ 10% DMSO
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TOV-112D | 305584

Thawing and
Culturing Cells

1. Thaw the cells as quickly as possible in a water bath at 37 °C. Gently mix the cells and transfer them to a tube.
2. Dilute the cells in a suitable medium. Centrifuge the cells at 150 x g for 5 minutes at 4 °C.
3. Resuspend the cells in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 5% CO₂.
4. Seed the cells in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 70% relative humidity.
5. Seed the cells in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 15% CO₂ for 8 hours.
6. Seed the cells in a suitable medium. Incubate the cells at 200 x g for 5 minutes at 4 °C.
7. Seed the cells in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 5% CO₂.

Incubation
Atmosphere

37 °C, 5% CO₂, 70% relative humidity

Shipping
Conditions

Cells are shipped in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 5% CO₂ for 8 hours.

Storage
Conditions

Cells are stored in a suitable medium. Incubate the cells at 37 °C in a humidified atmosphere of 5% CO₂ for 8 hours.

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