

PC-3M | 305061

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Description	PC-3M is a human prostate cancer cell line derived from a patient with metastatic disease. It is characterized by its ability to grow in vitro and in vivo. PC-3M cells are highly invasive and metastatic, forming tumors in various organs. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). PC-3M cells are highly sensitive to androgen deprivation therapy (ADT). PC-3M cells are highly sensitive to androgen deprivation therapy (ADT).
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Organism	Human
Tissue	Prostate

Disease	Prostate cancer
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Metastatic site	Prostate
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Synonyms	PC3-M, PC-3/M, PC3M, Pc3M
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Age	62 years
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Gender	Male
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Morphology	Epithelial
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Growth properties	Adherent
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Citation	PC-3M (Cytion 305061)
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_9555
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Product sheet

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Culture Medium	Ham's F12K Medium, w: 2.0 mM L-Glutamine, w: 2.0 mM Sodium pyruvate, w: 2.5 g/L NaHCO3 (Cytion 820608a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	PC-3M cells are grown in Ham's F12K Medium supplemented with 10% FBS. For subculturing, cells are trypsinized with Trypsin-EDTA (Cytion 820608a) and resuspended in Ham's F12K Medium supplemented with 10% FBS. Cells are then seeded into new flasks at a split ratio of 1:2 to 1:4.
Split ratio	1:2 to 1:4
Fluid renewal	2 to 3 times per week
Freeze medium	Ham's F12K Medium supplemented with 10% FBS and 10% DMSO (Cytion 820608a)
Thawing and Culturing Cells	1. Thaw the cells in a water bath at 37°C. 2. Dilute the cells in Ham's F12K Medium supplemented with 10% FBS. 3. Seed the cells into a flask containing Ham's F12K Medium supplemented with 10% FBS. 4. Allow the cells to attach to the flask. 5. Once cells are attached, replace the medium with Ham's F12K Medium supplemented with 10% FBS. 6. Allow the cells to grow to confluence. 7. Once cells are confluent, harvest the cells using Trypsin-EDTA (Cytion 820608a). 8. Resuspend the cells in Ham's F12K Medium 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

STR

Amelogenin: X,Y
CSF1PO: 11
D13S317: 11
D16S539: 11
D5S818: 13
D7S820: 8,11
TH01: 6,7
TPOX: 8,9
vWA: 17
D3S1358: 16
D21S11: 29,31.2
D18S51: 14,15
Penta E: 10,17
Penta D: 9
D8S1179: 13
FGA: 24
D6S1043: 14,18
D2S1338: 18,2
D12S391: 21
D19S433: 14