

PC-3 | 300312

PC-3

Description	PC3, prostate cancer cell line, derived from a 62-year-old patient with metastatic prostate cancer (IV), characterized by high levels of androgen dependence, high proliferation rate, and high metastatic potential. PC3 cells are highly invasive and metastatic, forming nodules in the lungs and other organs. PC3 cells are highly sensitive to androgen deprivation therapy (ADT) and are used as a model for studying prostate cancer biology and treatment. PC3 cells are highly sensitive to androgen deprivation therapy (ADT) and are used as a model for studying prostate cancer biology and treatment.
Organism	Human
Tissue	Prostate
Disease	Prostate cancer
Metastatic site	Prostate
Applications	Prostate cancer research
Synonyms	PC-3, PC.3

PC-3

Age	62 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	PC3 cells are highly invasive and metastatic, forming nodules in the lungs and other organs. PC3 cells are highly sensitive to androgen deprivation therapy (ADT) and are used as a model for studying prostate cancer biology and treatment.

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Citation	PC3 (Cytion 300312)
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STR

- 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
- PEZ6:** RCC-FG1