

Product sheet

PC-3 | 300312

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**Description**

PC3 is a cell line derived from a 62-year-old male patient with prostate cancer. The cell line is characterized by its ability to grow in the presence of PSA (Prostate-Specific Antigen) and is commonly used in research related to prostate cancer. PC3 cells are known for their high tumorigenicity and are often used as a model for studying prostate cancer progression and treatment response.

**Organism** Human

**Tissue** Prostate

**Disease** Prostate Cancer

**Metastatic site** Prostate

**Applications** Cell Culture, Assays

**Synonyms** PC-3, PC.3, PC.3

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**Age** 62 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent, Serum dependent

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**Citation** PC3 (ATCC CRL-1473) | 300312



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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Do not vortex. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
2. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70-80% confluency.
3. Harvest the cells by trypsinization. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
4. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70-80% confluency.
5. Harvest the cells by trypsinization. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
6. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70-80% confluency.
7. Harvest the cells by trypsinization. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
8. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70-80% confluency.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>

Flask Coating

None

Freezing Procedure

Resuspend cells in 1 mL of freezing medium. Seed into a 1 mL cryovial. Store at -196°C.

Shipping Conditions

Store at -196°C.

Storage Conditions

Store at -150°C to -196°C.

PC-3 / HLA

Sterility

Cells are tested for mycoplasma contamination (PCR) and are found to be negative. Cells are also tested for endotoxin and are found to be negative.

**XXXXXXXXPC-3 | 300312**

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- XXXXXXXX XXXXXXXXXXXXSTRCSF1PO: 11**
- D13S317: 11**
  - D16S539: 11**
  - D5S818: 13**
  - D7S820: 8X11**
  - TH01: 6X7**
  - TPOX: 8X9**
  - vWA: 17**
  - D3S1358: 16**
  - D21S11: 29,31.2**
  - D18S51: 14X15**
  - Penta E: 10X17**
  - Penta D: 9**
  - D8S1179: 13**
  - FGA: 24**
  - PEZ6: RCC-FG1**