

Product sheet

PC-3M | 305061

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Description PC-3M is a cell line derived from a patient with prostate cancer. It is characterized by its ability to grow in soft agar and its high tumorigenicity in nude mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor-1 (IGF-1). PC-3M cells are highly sensitive to androgen ablation and are used as a model for studying the biology of castration-resistant prostate cancer.

Organism Human

Tissue Prostate

Disease Prostate Cancer

Metastatic site Prostate

Synonyms PC3-M, PC-3/M, PC3M, PC3M, PC3M, Pc3M

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Age 62 years

Gender Male

Morphology Epithelial

Growth properties Anchorage dependent

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Citation PC-3M (ATCC CRL-1472) | 305061

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_9555

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General Information

Culture Medium DMEM F12K 2.0 2.0 2.5 NaHCO3 (8)

Supplements 10% FBS

Dissociation Reagent

Subculturing PBS

Split ratio 1:2 1:4

Fluid renewal 2 3

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

- 1. ...
- 2. ... -150 ...
- 3. ... 37 ...
- 4. ... 70% ...
- 5. ... 15 ... 8 ...
- 6. ... 300 x 3 ...
- 7. ... 10 ...
- 8. ...

Incubation Atmosphere 37

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Flask Coating

Flask coating is not applicable for this product.

Freezing Procedure

Freezing procedure is not applicable for this product. -78

Shipping Conditions

Shipping conditions are not applicable for this product. -78

Storage Conditions

Storage conditions are not applicable for this product. -150 to -196

HLA

Sterility

Sterility is not applicable for this product. (PCR)

Sterility is not applicable for this product.

STR Amelogenin: x

- 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