

Resource Summary Report

Generated by [NIF](#) on Aug 5, 2026

PC-3M

RRID:CVCL_9555

Type: Cell Line

Proper Citation

RRID:CVCL_9555

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_9555

Proper Citation: RRID:CVCL_9555

Description: Cell line PC-3M is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Prostate carcinoma

Defining Citation: [PMID:447482](#), [PMID:3335022](#), [PMID:7017212](#), [PMID:7471073](#)

Comments: Characteristics: Established from a xenografted tumor of nude mice injected with the parent cell line (PubMed=447482)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PC-3M

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

Cross References: BTO:BTO_0005220, EFO:EFO_0022442, cancercellines:CVCL_9555, ChEMBL-Cells:ChEMBL4295486, ChEMBL-Targets:ChEMBL4296484, CLS:305061, Cosmic:1945877, GEO:GSM1178559, GEO:GSM1178560, GEO:GSM1178561, KCLB:80020, KYinno:KC-3937, NCI-DTP:PC-3/M, PubChem_Cell_line:CVCL_9555, TOKU-E:3851, Wikidata:Q54938435

ID: CVCL_9555

Hierarchy: cvcl_0035

Record Creation Time: 20220427T221413+0000

Record Last Update: 20260802T003245+0000

Ratings and Alerts

No rating or validation information has been found for PC-3M.

No alerts have been found for PC-3M.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 183 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Rao Y, et al. (2026) Ferroptosis modulates invasion and migration in prostate cancer PC-3M subclones. *Experimental cell research*, 454(2), 114847.

Liu Y, et al. (2025) [Effect of dephosphorylation of tumor metastasis suppressor gene LASS2 on vacuolar ATPase activity and invasiveness of prostate cancer]. *Beijing da xue xue bao. Yi xue ban = Journal of Peking University. Health sciences*, 57(6), 1113.

Wierbi?owicz K, et al. (2025) Parp7 generates an ADP-ribosyl degron that controls negative feedback of androgen signaling. *The EMBO journal*, 44(17), 4720.

Schoufour TAW, et al. (2024) CRISPR-Cas9 screening reveals a distinct class of MHC-I binders with precise HLA-peptide recognition. *iScience*, 27(6), 110120.

Saleh H, et al. (2024) KH-like Domains in PARP9/DTX3L and PARP14 Coordinate Protein-Protein Interactions to Promote Cancer Cell Survival. *Journal of molecular biology*, 436(4), 168434.

Li Z, et al. (2023) The DACH1 gene is frequently deleted in prostate cancer, restrains prostatic intraepithelial neoplasia, decreases DNA damage repair, and predicts therapy responses. *Oncogene*, 42(22), 1857.

Tang L, et al. (2023) Exploration of the inhibition action of TPGS on tumor cells and its combined use with chemotherapy drugs. *Drug delivery*, 30(1), 2183830.

Rezaeian AH, et al. (2023) Pharmacological inhibition of the SKP2/p300 signaling axis restricts castration-resistant prostate cancer. *Neoplasia (New York, N.Y.)*, 38, 100890.

Urabe F, et al. (2023) Metastatic prostate cancer-derived extracellular vesicles facilitate osteoclastogenesis by transferring the CDCP1 protein. *Journal of extracellular vesicles*, 12(3), e12312.

Abdelwahed KS, et al. (2023) Pseurotin A Validation as a Metastatic Castration-Resistant Prostate Cancer Recurrence-Suppressing Lead via PCSK9-LDLR Axis Modulation. *Marine drugs*, 21(4).

Valiullina AK, et al. (2023) Evaluation of CAR-T Cells' Cytotoxicity against Modified Solid Tumor Cell Lines. *Biomedicines*, 11(2).

Haustrate A, et al. (2023) TRPV6 Calcium Channel Targeting by Antibodies Raised against Extracellular Epitopes Induces Prostate Cancer Cell Apoptosis. *Cancers*, 15(6).

Masud N, et al. (2023) Zinc finger protein-like 1 is a novel neuroendocrine biomarker for prostate cancer. *International journal of oncology*, 62(3).

Mudhish EA, et al. (2022) The Tobacco β -Cembrenediol: A Prostate Cancer Recurrence Suppressor Lead and Prospective Scaffold via Modulation of Indoleamine 2,3-Dioxygenase and Tryptophan Dioxygenase. *Nutrients*, 14(7).

Mao L, et al. (2022) Sirtuin 4 Inhibits Prostate Cancer Progression and Metastasis by Modulating p21 Nuclear Translocation and Glutamate Dehydrogenase 1 ADP-Ribosylation. *Journal of oncology*, 2022, 5498743.

Haustrate A, et al. (2022) A Novel Anti-TRPV6 Antibody and Its Application in Cancer Diagnosis In Vitro. *International journal of molecular sciences*, 24(1).

Patel R, et al. (2022) Cyclocreatine Suppresses Creatine Metabolism and Impairs Prostate Cancer Progression. *Cancer research*, 82(14), 2565.

Inoue GNC, et al. (2022) Combined spinal and general anesthesia attenuate tumor promoting effects of surgery. An experimental animal study. *Annals of medicine and surgery* (2012), 75, 103398.

Fayek M, et al. (2022) Anti-prostate cancer metabolites from the soil-derived *Aspergillus neoniveus*. *Frontiers in pharmacology*, 13, 1006062.

Sachdeva A, et al. (2022) Non-canonical EphA2 activation underpins PTEN-mediated metastatic migration and poor clinical outcome in prostate cancer. *British journal of cancer*, 127(7), 1254.