

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

PC-3

RRID:CVCL_0035

Type: Cell Line

Proper Citation

RRID:CVCL_0035

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0035

Proper Citation: RRID:CVCL_0035

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

Sex: Male

Disease: Prostate carcinoma

Defining Citation: [PMID:447482](#), [PMID:571045](#), [PMID:1873816](#), [PMID:3335022](#), [PMID:3518877](#), [PMID:6244232](#), [PMID:8104329](#), [PMID:8687134](#), [PMID:9018337](#), [PMID:9331090](#), [PMID:9460501](#), [PMID:9823299](#), [PMID:10687853](#), [PMID:10700174](#), [PMID:10702678](#), [PMID:10754530](#), [PMID:10972993](#), [PMID:11135431](#), [PMID:11172901](#), [PMID:11304728](#), [PMID:11414198](#), [PMID:11416159](#), [PMID:12606952](#), [PMID:12725112](#), [PMID:14518029](#), [PMID:15486987](#), [PMID:15748285](#), [PMID:16957166](#), [PMID:17088437](#), [PMID:17254797](#), [PMID:17440963](#), [PMID:19372543](#), [PMID:20164919](#), [PMID:21432867](#), [PMID:22068913](#), [PMID:22275356](#), [PMID:22336246](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22628656](#), [PMID:23671654](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24279929](#), [PMID:24504141](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26256267](#), [PMID:26589293](#), [PMID:26972028](#), [PMID:27141528](#), [PMID:27377824](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:28196595](#), [PMID:29194687](#), [PMID:30244336](#), [PMID:30787054](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31404090](#), [PMID:31733513](#), [PMID:31978347](#), [PMID:32968452](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Caution: There seem to be two distinct cell lines which were assigned NCBI_Iran catalog number C427., Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: MD Anderson Cell Lines Project., Part of: JFCR39 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PC-3

Synonyms: PC3, PC.3

Cross References: BTO:BTO_0001061, CLO:CLO_0008395, CLO:CLO_0051535, EFO:EFO_0002074, MCCL:MCC:0000380, CLDB:cl3881, CLDB:cl3883, Abcam:ab275472, AddexBio:C0019002/61, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-1435, ATCC:CRL-7934, BCRC:60122, BCRJ:0269, BioGRID_ORCS_Cell_line:193, BioSample:SAMN01821588, BioSample:SAMN01821653, BioSample:SAMN01821713, BioSample:SAMN03472063, BioSample:SAMN05292438, BioSample:SAMN10988356, cancercellines:CVCL_0035, CCRID:1101HUM-PUMC000115, CCRID:3101HUMSCSP532, CCRID:3101HUMTCHu158, CCRID:4201HUM-CCTCC00095, CCTCC:GDC0095, Cell_Model_Passport:SIDM00088, ChEMBL-Cells:ChEMBL3307570, ChEMBL-Targets:ChEMBL390, CLS:300312, Cosmic:688118, Cosmic:704849, Cosmic:713868, Cosmic:719680, Cosmic:721366, Cosmic:721556, Cosmic:755297, Cosmic:759894, Cosmic:801350, Cosmic:809225, Cosmic:850414, Cosmic:869157, Cosmic:873002, Cosmic:875892, Cosmic:876396, Cosmic:897455, Cosmic:905934, Cosmic:911997, Cosmic:918502, Cosmic:920968, Cosmic:921048, Cosmic:922551, Cosmic:923957, Cosmic:943175, Cosmic:948379, Cosmic:949249, Cosmic:974299, Cosmic:1028650, Cosmic:1028702, Cosmic:1071477, Cosmic:1075273, Cosmic:1092627, Cosmic:1172628, Cosmic:1175888, Cosmic:1188436, Cosmic:1212489, Cosmic:1219448, Cosmic:1305380, Cosmic:1312367, Cosmic:1330910, Cosmic:1436048, Cosmic:1689714, Cosmic:1995613, Cosmic:1998469, Cosmic:2301588, Cosmic:2580130, Cosmic:2585153, Cosmic:2585230, Cosmic:2621167, Cosmic:2651772, Cosmic:2669172, Cosmic:2674178, Cosmic-CLP:905934, DepMap:ACH-000090, DSMZ:ACC-465, DSMZCellDive:ACC-465, ECACC:90112714, EGA:EGAS00001000610, EGA:EGAS00001000978, ENCODE:ENCBS420VDY, ENCODE:ENCBS451OVM, ENCODE:ENCBS504WVW, ENCODE:ENCBS596CTT, ENCODE:ENCBS608AAA, ENCODE:ENCBS609AAA, FANTOM5_SSTAR:10439-106E7, FCS-free:16-2-16-3-6-4, GDSC:905934, GEO:GSM2171, GEO:GSM50225, GEO:GSM50289, GEO:GSM91930, GEO:GSM142459, GEO:GSM142460, GEO:GSM482670, GEO:GSM525804, GEO:GSM595615, GEO:GSM648823, GEO:GSM743480, GEO:GSM750835, GEO:GSM784792, GEO:GSM799370, GEO:GSM799433, GEO:GSM844674, GEO:GSM844675, GEO:GSM847110, GEO:GSM887506, GEO:GSM888588, GEO:GSM1153442, GEO:GSM1178542, GEO:GSM1178543, GEO:GSM1181274, GEO:GSM1181303, GEO:GSM1374817, GEO:GSM1374818, GEO:GSM1670339, GEO:GSM2124647, GEO:GSM4962583, GEO:GSM4962584, GEO:GSM4962585, GEO:GSM4962586, GEO:GSM4962587, GEO:GSM4962588, GEO:GSM4962589, GEO:GSM4962590, GEO:GSM4962591, GEO:GSM7701363, GEO:GSM7701364, Hysigen:TCH-C297, IARC_TP53:752, IARC_TP53:21276, ICLC:HTL97018, IZSLER:BS TCL 175, JCRB:JCRB9110, KCB:KCB 200725YJ, KCLB:21435, LiGeA:CCLE_525, LINCS_HMS:50454, LINCS_LDP:LCL-1299, Lonza:125, MeSH:D000078722, NCBI_Iran:C427, NCI-DTP:PC-3, PharmacDB:PC3_1248_2019, PRIDE:PRD000228, PRIDE:PRD000597, PRIDE:PXD000661, PRIDE:PXD002107, PRIDE:PXD003105, PRIDE:PXD003539, PRIDE:PXD005940, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD008184, PRIDE:PXD030304, PRIDE:PXD032264, Progenetix:CVCL_0035,

PubChem_Cell_line:CVCL_0035, RCB:RCB2145, SKY/M-FISH/CGH:2799, TKG:TKG 0600, TOKU-E:2868, Ubigen:YC-C010, Wikidata:Q7118483

ID: CVCL_0035

Record Creation Time: 20220427T221413+0000

Record Last Update: 20260815T235503+0000

Ratings and Alerts

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

Warning: Discontinued: ATCC; CRL-7934

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4313 mentions in open access literature.

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

Macke AJ, et al. (2026) Dynamic Shifts in ER-Plasma Membrane Junctions Signaling Define Pro-Metastatic N-Glycosylation and Predict Prostate Cancer Progression. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(30), e22885.

Fu H, et al. (2026) A smart gene circuit for precise regulation of tumor cell behavior. Synthetic and systems biotechnology, 11, 237.

Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. Cancer research, 86(1), 236.

Yun JE, et al. (2026) Cancer Manipulates Adjacent Adipose Tissue to Exploit Fatty Acids via HIF-1 α /CCL2/PPAR γ Axis: A Metabolic Circuit to Support Tumor Progression. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(3), e15186.

Zhao D, et al. (2026) Lactate derived from cancer-associated fibroblasts promotes alternative splicing and castration resistance in prostate cancer. Science advances, 12(3), eady5324.

Ji Y, et al. (2026) Serotonin Modulates Lineage Plasticity in Neuroendocrine Prostate Cancer via Epigenetic Reprogramming. *Cancer discovery*, 16(4), 760.

D'Ambrosio M, et al. (2026) Electrophilic compound screening identifies GPX4-dependent ferroptosis as a senescence vulnerability. *Nature cell biology*, 28(5), 915.

Brevi A, et al. (2026) Intercepting YAP Activation in Prostate Cancer Blocks Neuroendocrine Progression. *Cancer research*, 86(12), 2860.

Talmor B, et al. (2026) A Phase I Study of Hydroxychloroquine and Suba-Itraconazole in Men with Biochemical Relapse of Prostate Cancer (HITMAN-PC): Dose Escalation Results. *Cancer research communications*, 6(3), 687.

Mendoza N, et al. (2026) Chemical Constituents of *Taxodium mucronatum* (Cupressaceae) and Some of Its Endophytic Fungi, and Their In Silico and In Vitro Evaluations as SARS-CoV-2 Inhibitors and as Cytotoxic Agents. *Chemistry & biodiversity*, 23(3), e03702.

Yang J, et al. (2026) Astragaloside IV directly targets PPP1R14B to sensitize prostate cancer to anti-PD-1 immunotherapy by remodeling the CX3CL1/CD8⁺ T cell axis. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 155, 158158.

Yang M, et al. (2026) MCCC2 stabilizes LTBP1 via suppressing SMURF1-dependent ubiquitination to drive bone metastasis in prostate cancer. *Oncogene*, 45(28), 2779.

Liu YT, et al. (2026) Synthesis of 2-Aryl(alkyl)benzimidazole Hydroxamic Acids as HDAC Inhibitors with Anti-Angiogenesis Properties. *ChemMedChem*, 21(8), e202500984.

Rosado-Sanz M, et al. (2026) Tumor-educated macrophages promote cytokine-driven lung colonization in triple-negative breast cancer. *Oncoimmunology*, 15(1), 2687381.

Watlington WK, et al. (2026) Inhibition of cyclin-dependent kinases 12/13 using CT7439 as a treatment for colorectal cancer with CDK12 upregulation. *Molecular oncology*.

Wang J, et al. (2026) Systematic annotation of orphan RNAs reveals blood-accessible molecular barcodes of cancer identity and cancer-emergent oncogenic drivers. *Cell reports. Medicine*, 7(2), 102577.

Li L, et al. (2026) Ubiquitination-directed cytosolic DNA degradation governs cGAS-STING-mediated immune response to DNA damage. *Cancer cell*.

Günaydın S, et al. (2026) Unveiling the Anticancer Potential of *Verbascum aydogdui*: Isolation, Characterization, and In Vitro Studies. *Chemistry & biodiversity*, 23(1), e03376.

Ouma RBO, et al. (2026) Computational Simulation of the Bioactivity of Selected Compounds Derived From the *Sapium* and *Salvias* Genera as Anticancer Agents. *BioMed research international*, 2026(1), e4962249.

Xie Y, et al. (2026) QW-5-70 targets the colchicine site and demonstrates antitumor activity in P-gp-overexpressing cancer models. *Molecular cancer therapeutics*, OF1.