

人前列腺癌细胞 PC-3 说明书

中国科学院干细胞库编号: SCSP-532

细胞名称: PC-3

细胞描述: 人前列腺癌细胞 PC-3 来源于一名 62 岁 IV 级前列腺癌白人男性患者的骨髓转移灶。此细胞酸性磷酸酶 (acid phosphatase) 和 5- α -睾丸激素还原酶 (testosterone-5-alpha reductase) 活性表达低。

物种: 人, 男性, 62 岁

细胞来源: 2013 年引进

ATCC number: CRL-1435™

完全培养液: 配方见备注

建议冻存细胞总数: 1×10^6 /支

建议冻存体积: 500 μ l/支

预期存活率: 70%

批次/冻存日期: 详见 冻存管/培养液 标识

建议复苏培养体系: 1 个 T25 培养瓶

参考传代周期: 3-4 天

参考传代比例: 1:3—1:6

参考换液频率: 每周 2-3 次

冻存液配方: 完全培养液 95%, DMSO 5%

细胞状态: 贴壁生长

支原体检测结果: 阴性

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Sheng S, et al. Maspin acts at the cell membrane to inhibit invasion and motility of mammary and prostatic cancer cells. Proc. Natl. Acad. Sci. USA 93: 11669-11674, 1996. PubMed: [8876194](#)

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Nupponen NN, et al. Genetic alterations in prostate cancer cell lines detected by comparative genomic hybridization. Cancer Genet. Cytogenet. 101: 53-57, 1998. PubMed: [9460501](#)

Geiger T, et al. Antitumor activity of a PKC-alpha antisense oligonucleotide in combination with standard chemotherapeutic agents against various human tumors transplanted into nude mice. Anticancer Drug Des. 13: 35-45, 1998. PubMed: [9474241](#)

Su ZZ, et al. Surface-epitope masking and expression cloning identifies the human prostate carcinoma tumor antigen gene PCTA-1 a member of the galectin gene family. Proc. Natl. Acad. Sci. USA 93: 7252-7257, 1996. PubMed: [8692978](#)

备注:

1. 人前列腺癌细胞 PC-3 细胞完全培养液配方 (100 ml):

Ham's F-12K (Kaighn's) Medium (Invitrogen, 21127-022)	90 ml
FBS (Gibco)	10 ml

详情访问中科院干细胞库/干细胞技术平台 <http://www.cellbank.com.cn/index.asp>;

电话: 021-54921358

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