

22RV1 | 305037

General information

Description	22RV1 is a cell line derived from a human prostate cancer specimen, which is characterized by its ability to grow in the presence of androgens. 22RV1 is a highly aggressive cell line that is capable of metastasizing to various tissues (AR) and is often used in research to study the progression of prostate cancer (PSA), as well as the effects of androgen deprivation therapy (ADT) on tumor growth. 22RV1 is a cell line that is derived from a human prostate cancer specimen, which is characterized by its ability to grow in the presence of androgens. 22RV1 is a highly aggressive cell line that is capable of metastasizing to various tissues (AR) and is often used in research to study the progression of prostate cancer (PSA), as well as the effects of androgen deprivation therapy (ADT) on tumor growth. 22RV1 is a cell line that is derived from a human prostate cancer specimen, which is characterized by its ability to grow in the presence of androgens. 22RV1 is a highly aggressive cell line that is capable of metastasizing to various tissues (AR) and is often used in research to study the progression of prostate cancer (PSA), as well as the effects of androgen deprivation therapy (ADT) on tumor growth.
Organism	Human
Tissue	Prostate
Disease	Prostate cancer
Synonyms	22RV1, 22RV-1, 22rV1, CWR-22rv1, CWR22-Rv1, CWR22R-V1, CWR22-R1, CWR22Rv1, CWR22R

Characteristics

Age	Adult
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Additional information

Citation	22RV1 (Cytion 305037)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1045

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Cell Line: 22RV1

Antigen expression Prostate-specific antigen (PSA)

Tumorigenic Yes

Characteristics

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 40 - 60 hours

Subculturing Seed cells into T25 flasks at 10⁵ cells per flask. Use 1-3 passages. Cells should be passaged when they reach 80-90% confluency.

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO₃ (Cytion 820700a) + 10% DMSO + 10% FBS

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中，静置15分钟。

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Sterility

本产品经过严格的灭菌处理，确保无菌。本产品适用于PCR、qPCR、RT-PCR、Western blot、ELISA、流式细胞术、细胞培养、细胞分选、细胞计数、细胞凋亡检测、细胞增殖检测、细胞毒性检测、细胞分化检测、细胞迁移检测、细胞黏附检测、细胞凋亡检测、细胞增殖检测、细胞毒性检测、细胞分化检测、细胞迁移检测、细胞黏附检测。