

22RV1 | 305037

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Description

22RV1 is a cell line derived from a patient with prostate cancer. It is characterized by its ability to grow in the presence of androgens (AR) and its high levels of PSA. 22RV1 is a highly metastatic cell line that is resistant to androgen deprivation therapy (ADT). It is a model for studying prostate cancer progression and metastasis. 22RV1 is a cell line derived from a patient with prostate cancer. It is characterized by its ability to grow in the presence of androgens (AR) and its high levels of PSA. 22RV1 is a highly metastatic cell line that is resistant to androgen deprivation therapy (ADT). It is a model for studying prostate cancer progression and metastasis.

Organism Human

Tissue Prostate

Disease Prostate Cancer

Synonyms 22RV1, 22Rv-1, 22rV1, CWR-22rv1, CWR22-Rv1, CWR22R-V1, CWR22-R1, CWR22Rv1, CWR22R

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Age 60-70

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Androgen dependent

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Citation 22RV1 (22RV1) Cytion 305037

Biosafety level 2

NCBI_TaxID 9606

CellosaurusAccession CVCL_1045

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged. Passaging should be performed using a 1:3 split ratio.
4. The cells should be passaged every 2-3 days to maintain them in the exponential growth phase.
5. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
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7. The cells should be passaged into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
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Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Seed cells into a flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂. Harvest cells by centrifugation at 300 x g for 3 minutes. Wash cells with PBS. Resuspend cells in freezing medium. Aliquot into 1 mL vials. Store at -80°C.

Shipping Conditions Cells should be shipped at -80°C.

Storage Conditions Cells should be stored at -150°C for up to 196 days.

Genotype / HLA

Sterility Cells are free of mycoplasma contamination. PCR screening for mycoplasma is performed. Cells are also free of endotoxins.