

Product sheet

NCI-H295R | 300483

General Information

Description	H295R is a human cell line derived from a metastatic melanoma. It is characterized by its ability to grow in primary explant culture and its high tumorigenicity in nude mice. NCI-H295R, established by A.F. Gazdar (1990).
Organism	Human
Tissue	Melanoma
Disease	Melanoma
Synonyms	NCI-H295R, NCI H295R, NCIH295R, H-295R, H295R-S1

Cell Characteristics

Age	48 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent, clonal

Identification

Citation	NCI-H295R (ATCC CCL-222) Cytion 300483
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0458

Media and Reagents

Products	DMEM, FBS, Penicillin, Streptomycin, C19
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Notes

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Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L NaHCO₃ (Cytion 820400a)

Supplements 5% FBS, 0.00625 µg/ml Insulin, 0.00625 µg/ml Transferrin, 6.25 µg/ml Selenium, 1.25 µg/ml Hydrocortisone

Dissociation Reagent Trypsin

Subculturing Seed into DMEM:Ham's F12 (1:1) + supplements + 3-5 µg/ml PBS, 3-5 µg/ml PBS

Fluid renewal 2-3 times per week

Post-Thaw Recovery 48 hours

Freeze medium DMEM:Ham's F12 (1:1) + supplements + 10% DMSO + 10% FBS

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath, transfer to a 15 ml tube, add 10 ml DMEM:Ham's F12 (1:1) + supplements + 10% FBS, centrifuge at 300 x g for 3 min, resuspend in 10 ml DMEM:Ham's F12 (1:1) + supplements + 10% FBS, seed into a T25 flask.
2. Incubate cells in a 37°C incubator with 5% CO₂ until cells reach 70-80% confluency.
3. Perform a trypsin digest, seed into a T25 flask with DMEM:Ham's F12 (1:1) + supplements + 10% FBS.
4. Incubate cells in a 37°C incubator with 5% CO₂ until cells reach 70-80% confluency.
5. Perform a trypsin digest, seed into a T25 flask with DMEM:Ham's F12 (1:1) + supplements + 10% FBS.
6. Incubate cells in a 37°C incubator with 5% CO₂ until cells reach 70-80% confluency.
7. Perform a trypsin digest, seed into a T25 flask with DMEM:Ham's F12 (1:1) + supplements + 10% FBS.
8. Incubate cells in a 37°C incubator with 5% CO₂ until cells reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Flask coating information, including details on the coating process and any specific requirements for the flask used.

Freezing Procedure

Freezing procedure details, including the recommended freezing rate and storage temperature of -78°C.

Shipping Conditions

Shipping conditions details, including the required temperature range of -78°C for transport.

Storage Conditions

Storage conditions details, including the recommended storage temperature of -150 to -196°C.

HLA

Sterility

Sterility information, including details on the PCR process and the sterility testing protocol used to ensure the product is free of contaminants.

HLA

- A*: 02:01:01
- B*: 15:10:01
- C*: 03:04:02
- DRB1*: 01:01:01
- DQA1*: 01:01:01
- DQB1*: 05:01:01
- DPB1*: 04:02:01
- E: 01:03:02