

NCI-H295R | 300483

General information

Description	H295R is a human endometrial epithelial cell line derived from NCI-H295, established by A.F. Gazdar (1990).
Organism	Human
Tissue	Endometrium
Disease	Endometrial carcinoma
Synonyms	NCI-H295R, NCI H295R, NCIH295R, H-295R, H295R-S1

Cell characteristics

Age	48 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, epithelial

Cell line identification

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

Cell line availability

Products	NCI-H295R, NCI H295R, NCIH295R 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 cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium

Split ratio 1:3 or 1:4

Fluid renewal 2-3 times per week

Post-Thaw Recovery 48 hours

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

Thawing and Culturing Cells

1. Thaw cells in a water bath at 37°C, transfer to a 125 cm² flask with 300 ml medium
2. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
3. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
4. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
5. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
6. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
7. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium
8. Seed cells into T25 flasks with 3-5 µl PBS, 3 days later, seed into 125 cm² flask with 300 ml medium

Incubation Atmosphere 37°C, 5% CO₂, humidified

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Flask Coating

NCI-H295R

Freezing Procedure

NCI-H295R cells are grown in DMEM supplemented with 10% FBS. For freezing, cells are trypsinized and resuspended in freezing medium (DMEM + 10% FBS + 10% DMSO). Cells are then seeded into freezing vials and stored at -78°C.

Shipping Conditions

NCI-H295R cells are shipped in dry ice. Cells are stored at -78°C.

Storage Conditions

NCI-H295R cells are stored at -78°C. Cells are stable for up to 12 months.

NCI-H295R cells are grown in DMEM supplemented with 10% FBS.

Sterility

NCI-H295R cells are tested for sterility using PCR. Cells are found to be free of contamination.

NCI-H295R cells are tested for mycoplasma contamination. Cells are found to be free of contamination.

STR

Amelogenin: X,X
CSF1PO: 10,12
D13S317: 13
D16S539: 11
D5S818: 12
D7S820: 9,12
TH01: 9
TPOX: 8
vWA: 17,18
D3S1358: 15,16
D21S11: 32.2
D18S51: 17
Penta E: 5,12
Penta D: 8
D8S1179: 13
FGA: 19.2,24

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