

SV-HUC-1 | 305075

General information

Description	SV40 large T antigen expressing cell line, derived from SV40-transformed human umbilical vein endothelial cells (HUC-1), immortalized by SV40 large T antigen expression.
Organism	Human
Tissue	Endothelial cells, human umbilical vein
Synonyms	HUC-1, SV-HUC, SVHUC

Cell characteristics

Age	11 years
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Identification and safety

Citation	SV-HUC-1 (Cytion 305075)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_3798

Protein expression and analysis

Protein expression	SV40 T antigen, SV40 T
Tumorigenic	Yes

Notes

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Culture Medium Ham's F12K Medium, w: 2.0 mM L-Glutamine, w: 2.0 mM Sodium pyruvate, w: 2.5 g/L NaHCO₃ (Cytion 820608a)

Supplements 10% FBS

Dissociation Reagent

Subculturing Cells are grown in 25 cm² flasks in Ham's F12K Medium supplemented with 10% FBS. For subculturing, cells are trypsinized with 2.5 mg/mL trypsin and 2.5 mg/mL EDTA for 5 min at 37°C. Cells are then washed with PBS and resuspended in Ham's F12K Medium supplemented with 10% FBS.

Split ratio 1:2 to 1:4

Fluid renewal 2 to 3 times per week

Freeze medium Cells are grown in Ham's F12K Medium supplemented with 10% FBS. For freezing, cells are trypsinized and resuspended in Ham's F12K Medium supplemented with 10% FBS and 10% DMSO. Cells are then frozen in a controlled rate freezer and stored at -150°C.

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C and then washed with PBS.
2. Cells are resuspended in Ham's F12K Medium supplemented with 10% FBS and seeded into 25 cm² flasks.
3. Cells are grown in Ham's F12K Medium supplemented with 10% FBS for 24 hours.
4. Cells are trypsinized and resuspended in Ham's F12K Medium supplemented with 10% FBS.
5. Cells are seeded into 25 cm² flasks in Ham's F12K Medium supplemented with 10% FBS.
6. Cells are grown in Ham's F12K Medium supplemented with 10% FBS for 24 hours.
7. Cells are trypsinized and resuspended in Ham's F12K Medium supplemented with 10% FBS.
8. Cells are seeded into 25 cm² flasks in Ham's F12K Medium supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

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Freezing
Procedure

Das Produkt wird in einem Gefrierbehälter bei -78°C gefroren.

Shipping
Conditions

Das Produkt wird bei -78°C verschickt.

Storage
Conditions

Das Produkt wird bei -150 bis -196 °C gelagert.

Das Produkt ist steril.

Sterility

Das Produkt ist steril und wird in einem sterilen Behälter geliefert. PCR-Produkte sind steril. Das Produkt ist steril und wird in einem sterilen Behälter geliefert.

STR

Amelogenin: x,y
CSF1PO: 11
D13S317: 12,13
D16S539: 11
D5S818: 12,14
D7S820: 10,11
TH01: 9,9.3
TPOX: 8,1
vWA: 14
D3S1358: 14,17
D21S11: 29,3
D18S51: 15,16
Penta E: 10,2
Penta D: 13
D8S1179: 14,16
FGA: 21,22
D6S1043: 11,13
D2S1338: 17
D12S391: 18
D19S433: 14