

SK-UT-1 | 300455

Characteristics

Isoenzymes	Me-2, 1-2, PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1, GLO-1, 1-2, G6PD, B.
Tumorigenic	Yes, tumorigenic in nude mice. In vivo tumorigenicity test: Yes
Karyotype	(P8) 46,XX,t(11;17)(p11;p11) [Cytion 820100a] 0.0590

Media

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Cytion 820100a)
Supplements	10% FBS, 1% NEAA
Dissociation Reagent	Trypsin
Subculturing	Cells are cultured in EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA. Cells are passaged using Trypsin (Cytion 820100a) and centrifuged at 300g for 5 minutes. Cells are resuspended in EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA.
Split ratio	1:2
Seeding density	1 x 10 ⁴ cells/cm ²
Fluid renewal	Medium is renewed every 2-3 days.
Freeze medium	EMEM (MEM Eagle) supplemented with 10% FBS + 10% DMSO (Cytion 820100a)

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not leave the cells at room temperature for more than 15 minutes.
2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 15 ml of fresh medium.
3. Seed the cells into a T25 flask containing 15 ml of fresh medium. The cell density should be approximately 1.5 x 10⁵ cells per flask.
4. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 24 hours.
5. Once the cells have reached 70% confluency, they can be used for experiments or passaged into new flasks.
6. For passaging, trypsinize the cells and seed them into a new T25 flask containing 15 ml of fresh medium.
7. The cells should reach 70% confluency within 24 hours. If the cells do not reach 70% confluency, check the medium and incubation conditions.
8. The cells should be used for experiments or passaged into new flasks when they reach 70% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing Procedure

For freezing, seed cells into a T25 flask containing 15 ml of fresh medium. Once the cells reach 70% confluency, trypsinize the cells and resuspend them in 1 ml of freezing medium. Seed the cells into a cryovial and freeze at -80°C.

Shipping Conditions

For shipping, seed cells into a T25 flask containing 15 ml of fresh medium. Once the cells reach 70% confluency, trypsinize the cells and resuspend them in 1 ml of freezing medium. Seed the cells into a cryovial and ship at -80°C.

Storage Conditions

For storage, seed cells into a T25 flask containing 15 ml of fresh medium. Once the cells reach 70% confluency, trypsinize the cells and resuspend them in 1 ml of freezing medium. Seed the cells into a cryovial and store at -150°C for up to 196 weeks.

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Sterility

The cells are provided in a sterile, cryoprotected medium. The cells are free of mycoplasma and PCR detectable agents. The cells are also free of endotoxins and other contaminants.

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████████ STR

Amelogenin: x,y
CSF1PO: 10,11
D13S317: 13
D16S539: 13,14
D5S818: 10,11
D7S820: 9,1
TH01: 7
TPOX: 8
vWA: 15,16
D3S1358: 15,16
D21S11: 29.32.2
D18S51: 11,16
Penta E: 17
Penta D: 11:15
D8S1179: 13,15
FGA: 22,24