



**Tumorigenic** ☒☒

**Virus susceptibility** SV40

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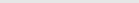
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| <b>Karyotype</b> | 2n=40 |
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|                       |                                                                                                                                                                                   |
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| <b>Culture Medium</b> | DMEM, w: 4.5 g/L $\text{L-glutamine}$ , w: 4 mM $\text{L-glutamine}$ , w: 3.7 g/L $\text{NaHCO}_3$ , w: 1.0 mM $\text{NaH}_2\text{PO}_4$ ( $\text{NaH}_2\text{PO}_4$ Cytion 8203) |
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**Dissociation Reagent** 

### Subculturing

When the cells reach confluence, they are trypsinized and resuspended in  $\alpha$ -PBS. Cells are then seeded into T25 flasks in  $\alpha$ -3-5% FBS  $\alpha$ -PBS, and after 3 days, the cells are trypsinized, and the process is repeated. Cells are then seeded into T25 flasks in  $\alpha$ -3-5% FBS  $\alpha$ -PBS, and after 3 days, the cells are trypsinized, and the process is repeated.

**Fluid renewal** 

3T3-Swiss albino | 400103

Freeze medium

Freezing medium: DMEM (Gibco) + 10% FBS + 10% DMSO. Cells are resuspended in 100 µl of freezing medium per vial.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer the cells to a sterile tube and add 10 ml of DMEM + 10% FBS.
2. Centrifuge the cells at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 ml of DMEM + 10% FBS.
3. Seed the cells into a T25 flask containing 10 ml of DMEM + 10% FBS. Incubate the cells at 37°C in 5% CO<sub>2</sub>.
4. Once the cells have reached confluence, remove the medium and replace it with DMEM + 10% FBS.
5. When the cells are confluent, remove the medium and replace it with DMEM + 10% FBS.
6. Harvest the cells by trypsinization. Add 1 ml of trypsin to the flask and incubate for 5 minutes.
7. Add 10 ml of DMEM + 10% FBS to the flask and scrape the cells into the medium.
8. Centrifuge the cells at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 ml of DMEM + 10% FBS.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Not required

Shipping Conditions

Cells are shipped in dry ice at -78°C. The shipping container must be kept at -78°C for the duration of the shipment.

Storage Conditions

Cells can be stored in liquid nitrogen at -150°C for up to 196 days. Thaw cells rapidly in a water bath at 37°C.

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for endotoxin levels. Cells are found to be free of mycoplasma and endotoxin.