

Product sheet

3T3-Swiss albino | 400103

General Information

Tumorigenic	Yes
Viruses	Not known to be associated with any viruses (SV40).
Virus susceptibility	SV40
Reverse transcriptase	Yes
Products	T
Ploidy status	Diploid
Karyotype	2n=40

Media and Supplements

Culture Medium	DMEM 4.5g/l, 4% FBS, 3.7g/l NaHCO3, 1.0g/l Penicillin, 100IU/ml Streptomycin, 100IU/ml Nystatin (8200)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	18 hours
Subculturing	1:2 to 1:10 in PBS
Seeding density	0.5 x 10 ⁴ cells/cm ²
Fluid renewal	2 times per week
Post-Thaw Recovery	4 weeks
Freeze medium	DMEM + 10% FBS + 10% DMSO

3T3-Swiss albino | 400103

Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed tissue culture flask containing 5-10 ml of complete medium.
2. Allow the cells to settle at the bottom of the flask. After 1-2 hours, remove the medium and replace it with fresh complete medium.
3. Incubate the cells in a humidified 5% CO₂ atmosphere at 37°C. The cells should reach confluence within 3-5 days.
4. Once confluent, harvest the cells by trypsinization. Wash the cells with PBS, then add trypsin-EDTA solution. Incubate for 2-3 minutes at 37°C. Add complete medium to stop the trypsinization. Centrifuge at 300 x g for 3 minutes. Resuspend the cells in complete medium.
5. Seed the cells into a new flask at a density of 15 x 10⁴ cells per flask. The cells should reach confluence within 8-10 days.
6. Harvest the cells by trypsinization. Wash the cells with PBS, then add trypsin-EDTA solution. Incubate for 2-3 minutes at 37°C. Add complete medium to stop the trypsinization. Centrifuge at 300 x g for 3 minutes. Resuspend the cells in complete medium.
7. Seed the cells into a new flask at a density of 10 x 10⁴ cells per flask. The cells should reach confluence within 10-12 days.
8. Harvest the cells by trypsinization. Wash the cells with PBS, then add trypsin-EDTA solution. Incubate for 2-3 minutes at 37°C. Add complete medium to stop the trypsinization. Centrifuge at 300 x g for 3 minutes. Resuspend the cells in complete medium.

Incubation Atmosphere 37 °C, 5% CO₂, humidified

Shipping Conditions Cells should be shipped on dry ice at -78 °C.

Storage Conditions Cells should be stored at -150 °C to -196 °C in liquid nitrogen.

Genotype / HLA

Sterility Cells are tested for mycoplasma contamination using PCR. The results are negative.