

Product sheet

MSV-Balb/3T3 | 400458

MSV-Balb/3T3

Description MSV-Balb/3T3 is a mouse cell line derived from BALB/c. It is a fibroblast cell line that is used for various research purposes, including cell culture and drug testing.

Organism Mouse

Tissue Fibroblast

Synonyms M-MSV-BALB/3T3

MSV-Balb/3T3

Breed/Subspecies BALB/c

Age 14-17 days

Gender Male

Morphology Fibroblast

Cell type Fibroblast

Growth properties Adherent

MSV-Balb/3T3

Citation M-MSV-Balb/3T3 (MSV-Balb/3T3) Cytion 400458

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_5793

GMO Status GMO-S1: MSV-Balb/3T3 (M-MSV-Balb/3T3) Moloney (MOMSV)

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MSV-Balb/3T3 - MSV-Balb/3T3

Antigen expression H-2d

Tumorigenic Yes

Viruses Not known (Not known): Not known

Reverse transcriptase Not known

MSV-Balb/3T3

Culture Medium DMEM, w: 4.5 g/L Glucose, w: 4 mM L-Glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM Sodium Pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are cultured in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized with Trypsin (Cytion 820300a) and seeded into new flasks. Cells are typically passaged every 2-3 weeks.

Seeding density 0.7 x 10⁶ cells/cm²

Fluid renewal 2-3 times per week

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a 75 cm² flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed them into a 10 ml flask containing 10 ml of pre-warmed medium.
6. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
7. Harvest the cells by trypsinization. Seed them into a 10 ml flask containing 10 ml of pre-warmed medium.
8. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells by trypsinization. Resuspend in 1 ml of freezing medium. Aliquot into 1 ml vials. Store at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150°C for up to 196 months.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. They are also free of endotoxins.