

U-251 MG | 300385

Characteristics

Protein expression GFAP vimentin

Tumorigenic SMRV: 100% (100% of cells form tumors in 100% of mice)

Media

Culture Medium DMEM 4.5 g/l / 4 mM NaHCO3 1.0 mM (82)

Supplements 10% FBS

Dissociation Reagent

Doubling time 24 h

Subculturing 1:3

Seeding density 1 x 10⁴ /

Fluid renewal 2-3

Post-Thaw Recovery 24 h

Freeze medium 50% + 40% + 10% DMSO CM-1

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 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 a humidified CO₂ incubator (5% CO₂) until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed 15 x 10⁶ cells into 8 flasks.
6. Seed 300 x 10⁶ cells into 3 flasks.
7. Harvest the cells after 10 days of culture.
8. Store the cells at -150°C for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Harvest cells, resuspend in freezing medium, seed into freezing vials, store at -150°C.

Shipping Conditions Store at -150°C, ship on dry ice.

Storage Conditions Store at -150°C to -196°C.

HLA

Sterility Sterilize medium and reagents, use aseptic technique.

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XXXXXXXX HLA

A*: '02:01:01

B*: '18:01:01

C*: '05:01:01

DRB1*: '03:01:01

DQA1*: '05:05:xx

DQB1*: '02:01:01

DPB1*: '04:02:01

E: '01:03:01