



MDCK-SIAT1 | 602281

Cell Line

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS, 1% G418

**Dissociation Reagent** Trypsin

**Doubling time** 21-31 hours

**Subculturing** 1. Wash cells with PBS. 2. Add 1 ml trypsin to each well. 3. Incubate at 37°C for 5-10 min. 4. Add 1 ml PBS to stop reaction. 5. Pipette up cells into a 15 ml conical tube. 6. Centrifuge at 300 x g for 3 min. 7. Remove supernatant. 8. Resuspend pellet in 1 ml PBS. 9. Add 1 ml of fresh medium.

**Seeding density** 2 x 10^4 cells/cm^2

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw vial in a 37°C water bath.
  2. Add 1 ml of DMEM + 10% FBS to each well.
  3. Incubate at 37°C for 24 hours.
  4. Remove medium and wash cells with PBS.
  5. Add 1 ml of fresh medium.
  6. Centrifuge at 300 x g for 3 min.
  7. Remove supernatant and wash cells with PBS.
  8. Resuspend cells in 1 ml of fresh medium.

Product sheet

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**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture grade, tissue culture treated

**Freezing Procedure** Harvest cells into 10-15% FBS, freeze in 100% FBS, store at -78°C

**Shipping Conditions** Dry ice, store at -78°C

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

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**Sterility** Sterile, PCR negative, mycoplasma free