

Product sheet

STO | 400165

General Information

| | |
|--------------------|---|
| Description | Mouse embryo fibroblast (MEF) derived from SIM. Transformed with SV40 large T-antigen (SV40-LT) and HPRT-(HPRT-) HAT selection. |
| Organism | Mouse |
| Tissue | Embryo fibroblast |

Genetic Information

| | |
|--------------------------|-----------|
| Breed/Subspecies | SIM |
| Age | 1-2 weeks |
| Gender | Male |
| Growth properties | Adherent |

Identification

| | |
|-----------------------------|---|
| Citation | STO (Mouse embryo fibroblast) Cytion 400165 |
| Biosafety level | 1 |
| NCBI_TaxID | 10090 |
| CellosaurusAccession | CVCL_3420 |

Pathogen Information

| | |
|----------------|---|
| Viruses | Not known to be infected with any viruses (tested). |
|----------------|---|

Culture

| | |
|-----------------------|--|
| Culture Medium | EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (Cytion 820100a) |
| Supplements | 10% FBS 1% NEAA |

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Dissociation Reagent Trypsin

Subculturing Seed cells into fresh medium containing 10% FBS. After 24h, replace medium with 10% FBS. When cells reach 80-90% confluency, dissociate cells with trypsin and seed into fresh medium.

Split ratio 1:2 to 1:6 depending on cell density and growth rate.

Fluid renewal 2-3 times per week.

Freeze medium DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Wash cells with PBS.
 3. Seed cells into fresh medium.
 4. Allow cells to attach.
 5. Change medium after 24h.
 6. Seed cells into fresh medium.
 7. Allow cells to attach.
 8. Change medium after 24h.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells and seed into freezing medium. Store at -80°C.

Shipping Conditions Dry ice, -78°C

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Storage Conditions -150 196

/ / HLA

Sterility