



XXXXXXXX MC3T3-E1 XXXXXXXXXXXX XXXXXXXXXXXX 14 | 305185

NCBI\_TaxID 10090

CellosaurusAccession CVCL\_5437

XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Protein expression XXXXXXXXXXXX

Tumorigenic XXX

XXXXXXXXXX

Culture Medium Alpha MEM X 2.0 XXXX XXXXXX XXXXXXXXXXXX XXXXXXXX X XXXXXXXXXXXXXXXXXXXXXXXX X XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX X 1.0 XXXXX XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX

Supplements XX XXXXXXXX XXXXXXXX X 10X XX XX FBS

Dissociation Reagent XXXXXXXX

Subculturing XX XXXXXXXX XXXXXXXX XXXXXXXX XX XXXXXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX PBS XXXXX XXXXXXXX XXX XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX

Fluid renewal 2 XXX 3 XXXXX XX XXXXXXXXXXXX

Freeze medium XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXX XXXX XXX XXXXX (XXXX XX XXXX FBS) + 10% DMSO XX XXXX XXXXXXXXXXXX XXX XXXXXXXX XXXXXXXX XXXX XXXXXXXXXXXXXXXXXXXXXXXX

**MC3T3-E1** | 305185

**Thawing and Culturing Cells**

1. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 mL of DMEM supplemented with 10% FBS. Seed the cells into a T75 flask.
2. Incubate the cells in a 37°C incubator with 5% CO<sub>2</sub> until they reach 70-80% confluency.
3. Remove the medium and replace it with DMEM supplemented with 10% FBS.
4. After 24 hours, remove the medium and replace it with DMEM supplemented with 10% FBS.
5. After 24 hours, remove the medium and replace it with DMEM supplemented with 10% FBS.
6. After 24 hours, remove the medium and replace it with DMEM supplemented with 10% FBS.
7. After 24 hours, remove the medium and replace it with DMEM supplemented with 10% FBS.
8. After 24 hours, remove the medium and replace it with DMEM supplemented with 10% FBS.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>

**Flask Coating**

None

**Freezing Procedure**

Resuspend cells in 1 mL of DMEM supplemented with 10% FBS and 10% DMSO. Freeze the cells in a -80°C freezer.

**Shipping Conditions**

Store at -80°C until use.

**Storage Conditions**

Store at -150 to -196°C.

**MC3T3-E1 / HLA**

**Sterility**

MC3T3-E1 cells are tested for sterility using PCR. The results are as follows:   
MC3T3-E1 cells are sterile.