

C127I | 400134

General information

Description	C127I is a mouse strain derived from C127, characterized by its high tumorigenicity and ability to form large, well-defined tumors. It is commonly used in research to study tumor growth and metastasis.
Organism	Mouse
Tissue	Adipose, connective tissue
Disease	Neurofibrosarcoma
Applications	Research on tumor biology, drug testing, and genetic studies. DNA analysis can be performed on tumor samples.
Synonyms	C 127I, C-127I, C-127 I, CNC 127I

Characteristics

Breed/Subspecies	RIII
Gender	Male
Morphology	White, albino
Growth properties	Highly tumorigenic

Identification and documentation

Citation	C127I (C127I) Cytion 400134
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_3882
GMO Status	GMO-S1: C127I (C127I) is a transgenic mouse strain (C127I) that carries a transgene (T7 RNA polymerase gene) under the control of the T7 promoter.

[illegible]

Culture Medium	DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 4 mM L- $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ (100% $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ Cytion 82030)
Supplements	$\text{CaCl}_2 \cdot \text{H}_2\text{O}$ 10% FBS
Dissociation Reagent	$\text{CaCl}_2 \cdot \text{H}_2\text{O}$

Fluid renewal 2 3 4 5 6 7 8 9 10 11 12

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

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**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of pre-warmed medium.
2. **Seeding:** Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium. The seeding density should be approximately 1.5 x 10⁶ cells per flask.
3. **Medium Change:** After 24 hours, replace the medium with fresh pre-warmed medium.
4. **Confluency:** Monitor the cell growth. Once the cells reach 70-80% confluency, they can be passaged.
5. **Passaging:** Detach the cells using trypsin-EDTA. Resuspend the cells in medium and seed them into a new flask.
6. **Medium:** Use DMEM supplemented with 10% FBS for growth and 1% FBS for maintenance.
7. **Temperature:** Maintain the cells at 37°C in a humidified CO₂ incubator.
8. **Quality Control:** Regularly check for mycoplasma contamination using PCR or other methods.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Not required

**Freezing
Procedure**

For long-term storage, cells should be frozen in a freezing medium and stored at -80°C.

**Shipping
Conditions**

Cells should be shipped on dry ice and stored at -80°C during transport.

**Storage
Conditions**

Cells can be stored in liquid nitrogen for up to 196 hours at -150°C.

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Sterility

The cells are provided as a sterile suspension in DMEM. They are not tested for mycoplasma contamination. The cells are not tested for endotoxin contamination.