

Product sheet

C127I | 400134

General Information

Description	C127I is a rat mammary epithelial cell line, established from a rat mammary gland. It is a clonal cell line that grows in the presence of insulin, transferrin, and selenium (ITS) and is used for studying mammary epithelial cell biology and differentiation.
Organism	Rat
Tissue	Mammary gland
Disease	None
Applications	Cell culture, differentiation, DNA analysis, and other biological studies.
Synonyms	C 127I, C-127I, C-127 I, CNC 127I

Characteristics

Breed/Subspecies	RIII
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Identification and Safety

Citation	C127I (Cytion 400134)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_3882
GMO Status	GMO-S1: C127I (Cytion 400134) is a genetically modified organism (GMO) derived from a rat mammary epithelial cell line. It is used for research purposes and is not intended for human consumption.

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath, and transfer the cells to a pre-warmed T25 flask containing 5 ml of DMEM supplemented with 10% FBS. Gently mix the cells by pipetting up and down.
2. Incubate the cells for 24 hours at 37°C in 5% CO₂ to allow the cells to attach and recover from the freezing process. Do not change the medium during this period.
3. After 24 hours, the medium should be replaced with fresh DMEM supplemented with 10% FBS. The cells should be split into a T75 flask when they reach 70-80% confluency.
4. Once the cells are fully attached and proliferating, they can be passaged into a T175 flask. The medium should be replaced with fresh DMEM supplemented with 10% FBS.
5. The cells should be passaged into a T25 flask when they reach 70-80% confluency. The medium should be replaced with fresh DMEM supplemented with 10% FBS.
6. The cells should be passaged into a T75 flask when they reach 70-80% confluency. The medium should be replaced with fresh DMEM supplemented with 10% FBS.
7. The cells should be passaged into a T175 flask when they reach 70-80% confluency. The medium should be replaced with fresh DMEM supplemented with 10% FBS.
8. The cells should be passaged into a T25 flask when they reach 70-80% confluency. The medium should be replaced with fresh DMEM supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells at 70-80% confluency, wash with PBS, and resuspend in freezing medium. Freeze in liquid nitrogen and store at -80°C.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C, 196 liquid nitrogen

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Sterility The cells are provided as a frozen stock and are not tested for mycoplasma contamination. PCR testing is recommended for all cell lines.