

MC3T3-E1 Subclone 14 | 305185

General information

Description	MC3T3-E1 Subclone 14 is a clonal cell line derived from the MC3T3-E1 cell line. It is a fibroblast cell line that is commonly used in research. The cell line is characterized by its ability to form colonies and its sensitivity to various growth factors. The cell line is maintained in a medium containing 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is typically grown in 25 cm ² flasks. The cell line is characterized by its ability to form colonies and its sensitivity to various growth factors. The cell line is maintained in a medium containing 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is typically grown in 25 cm ² flasks.
Organism	Mouse
Tissue	Connective tissue, Fibroblasts
Applications	Wound healing, Cell culture, Differentiation studies
Synonyms	MC3T3-E1 clone 14

Genetic information

Breed/Subspecies	C57BL/6
Age	1-2 weeks
Gender	Male
Morphology	Mouse
Growth properties	Adherent

Characteristics and properties

Citation	MC3T3-E1 Subclone 14 (Cytion 305185)
Biosafety level	1

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的培养瓶中，轻轻混匀，使细胞在培养基中均匀分布。
2. 将培养瓶置于37°C、5% CO₂的培养箱中，使细胞在适宜的温度和气体环境下生长。
3. 每天观察细胞生长情况，当细胞达到80%汇合度时，可进行传代。
4. 将细胞悬液离心，弃去上清液，加入新鲜培养基，使细胞在新鲜培养基中继续生长。
5. 将细胞悬液接种到新的培养瓶中，使细胞在新的培养瓶中继续生长。
6. 将细胞悬液接种到新的培养瓶中，使细胞在新的培养瓶中继续生长。
7. 将细胞悬液接种到新的培养瓶中，使细胞在新的培养瓶中继续生长。
8. 将细胞悬液接种到新的培养瓶中，使细胞在新的培养瓶中继续生长。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

Freezing
Procedure

将细胞悬液离心，弃去上清液，加入冻存液，使细胞在冻存液中继续生长。

Shipping
Conditions

将细胞悬液离心，弃去上清液，加入冻存液，使细胞在冻存液中继续生长。

Storage
Conditions

将细胞悬液离心，弃去上清液，加入冻存液，使细胞在冻存液中继续生长。

细胞特性

Sterility

细胞在培养过程中，应定期进行无菌检测，以确保细胞的纯度。