

NE-4C | 305182

NE-4C

Description

NE-4C is a cell line derived from a 4-week-old C57BL/6 x 129/Sv-Trp53^{-/-} mouse embryo. It is a fibroblast cell line that grows in the presence of 10% FBS. NE-4C is a cell line that is used for the study of the effects of various factors on cell growth and differentiation.

Organism

Mouse

Tissue

Embryo, Fibroblast

NE-4C

Breed/Subspecies

C57BL/6 x 129/Sv-Trp53^{-/-}

Age

4 weeks

Morphology

Fibroblast

Growth properties

Adherent

NE-4C

Citation

NE-4C (Cytion 305182)

Biosafety level

1

NCBI_TaxID

10090

CellosaurusAccession

CVCL_B063

NE-4C

Antigen expression

Sox-2, Otx-2, En-1

NE-4C

Culture Medium

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

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Supplements FBS 10% NEAA 1%

Dissociation Reagent

Subculturing PBS T25

Seeding density 1 3×10^4 / 10^5 cm^2

Fluid renewal 2 3×10^4

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

- 1.
2. cryovial -150 70%
3. 37°C
4. 70%
5. 15
6. 300 x g 3
7. 10
- 8.

Incubation Atmosphere 37°C, 5% CO_2

Shipping Conditions

Storage Conditions

PCR