

# NIH-3T3 | 400101

## NIH-3T3

**Description**

NIH-3T3 is a clonal cell line derived from a Swiss 3T3 fibroblast cell line. It is a highly proliferative, anchorage-dependent cell line that is widely used in cell biology and toxicology research. NIH-3T3 cells are derived from a Swiss 3T3 fibroblast cell line, which was established from a mouse embryo fibroblast cell line. NIH-3T3 cells are highly proliferative and are used in a wide range of applications, including cell biology, toxicology, and drug discovery. NIH-3T3 cells are highly proliferative and are used in a wide range of applications, including cell biology, toxicology, and drug discovery. NIH-3T3 cells are highly proliferative and are used in a wide range of applications, including cell biology, toxicology, and drug discovery.

**Organism** Mouse

**Tissue** Fibroblast

**Applications** Cell biology, toxicology, drug discovery

**Synonyms** NIH/3T3, NIH 3T3, NIH3T3, 3T3, 3T3NIH, 3T3-Swiss, Swiss-3T3, Swiss/3T3, Swiss 3T3, Swiss3T3

## NIH-3T3

**Breed/Subspecies** NIH Swiss

**Age** Adult

**Gender** Male

**Morphology** Fibroblast, epithelial

**Cell type** Fibroblast

**Growth properties** Anchorage dependent

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**Citation** NIH-3T3 (ATCC CCL-163) | Cytion 400101

**Biosafety level** 1



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Thawing and Culturing Cells

1. Thaw the vial in a water bath at 37°C. Remove the vial and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium.
2. Seed the cells into a T25 flask containing 5 ml of complete medium. Incubate at 37°C with 5% CO<sub>2</sub>.
3. Once the cells have reached confluence, passage them into a T75 flask. Seed 15 x 10<sup>6</sup> cells into 8 x 10<sup>6</sup> ml of complete medium.
4. Once the cells have reached confluence, passage them into a T175 flask. Seed 70% of the cells into 150 ml of complete medium.
5. Once the cells have reached confluence, passage them into a T75 flask. Seed 15 x 10<sup>6</sup> cells into 8 x 10<sup>6</sup> ml of complete medium.
6. Once the cells have reached confluence, passage them into a T175 flask. Seed 70% of the cells into 150 ml of complete medium.
7. Once the cells have reached confluence, passage them into a T75 flask. Seed 15 x 10<sup>6</sup> cells into 8 x 10<sup>6</sup> ml of complete medium.
8. Once the cells have reached confluence, passage them into a T175 flask. Seed 70% of the cells into 150 ml of complete medium.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Flasks are pre-coated with CellTreat™. No additional coating is required.

Freezing Procedure

Seed cells into a T25 flask containing 5 ml of complete medium. Incubate at 37°C with 5% CO<sub>2</sub>.

Shipping Conditions

Cells can be shipped at room temperature for up to 72 hours. Incubate at 37°C with 5% CO<sub>2</sub>.

Storage Conditions

Cells can be stored at -150°C for up to 196 months. Thaw at 37°C.

Genotype / Phenotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. No contamination was detected.

Cells are tested for endotoxin contamination. No endotoxin was detected.