3T3-L1

400107

GENERAL INFORMATION

Description

[illegible] 3T3-L1 [illegible] ([illegible])[illegible] "3T3" [illegible] (T) [illegible] 3 [illegible] "L1" [illegible]
[illegible] 3T3-L1 [illegible] 3T3-L1 [illegible] 3T3-L1 [illegible] 3T3-L1 [illegible], 3-[illegible]-1-[illegible] (IBMX), [illegible]
[illegible] 3T3-L1 [illegible]
3T3-L1 [illegible] (adipogenesis) [illegible] 2 [illegible] (adipocytes) [illegible]
[illegible] 3T3-L1 [illegible]
[illegible] 3T3-L1 [illegible] (adipocyte differentiation) [illegible] 3T3-L1 [illegible]

Tissue	[illegible]
Metastatic site	[illegible] ([illegible]; [illegible])

Applications

[illegible] 3T3-L1 [illegible]

Synonyms

- 3T3 L1
- 3T3L1
- 3T3-L1 ad
- NIH-3T3-L1
- NIH3T3-L1

CLASSIFICATION

Organism	Mouse
Sex	Male
Growth properties	Adherent
GMO status	Non-GMO

GMO status details

No genetic modification; 3T3-L1 is a subclone of the NIH/3T3 line selected for adipogenic differentiation potential; no introduced transgene

Biosafety level	1

CHARACTERISTICS

Morphology	คล้ายไฟโบรบลาสต์
Cell type	พรีอะดิโพไซต์ / อะดิโพไซต์ (หลังการแยกตัว)
Tumourigenic	ไม่
Ploidy status	อะนีพลอยด์

Karyotype

2n □ท่ากับ 40

IDENTIFIERS

Citation

3T3-L1 (หมาย □ลบแคตตาล็อก Cytion 400107)

NCBI TaxID	10090
Cellosaurus	CVCL_0123

EXPRESSION AND SUSCEPTIBILITY

Virus susceptibility

ไวรัสลูคี □มียในหนู , ไวรัสซาร์โคมาในหนู , โรคปากและ □ท้า □ปื่อย , ไวรัสวัคซีน , □ริม , ไวรัส N-tropic oncornaviruses C

Products

อินซูลิน , คอลลา □จน , ไตรกลี □ซอไรด์

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 กรัม /ลิตร กลูโคส , w: 4 มิลลิโมลาร์ แอล -กลูตามีน , w: 3.7 กรัม /ลิตร NaHCO3, w: 1.0 มิลลิโมลาร์ โซ □ดียมไพรู □วต (หมาย □ลบบทความ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Dissociation reagent	แอคคู □ทส

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Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

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Subculturing

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Split ratio	1 □□□ 5
Seeding density	1 □□□ 3 × 10⁴ □□□□□/□□□□□□□□□□□□□□□□
Fluid renewal	□□□ 2 □□□ 3 □□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

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Freeze medium	□□□ □□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ (□□□□□□ FBS) + 10% DMSO □□□ □□□□ CM-1 (□□□□□□□ □□□□□□□□□ Cytion 800100) □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□ □□□□

Storage conditions

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Shipping conditions

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DONOR

Breed / subspecies	□□□□□□□□□□□□□
Donor age	□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Disclaimer

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Warranty

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Material Transfer Agreement required	Yes

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