PDV

400314

GENERAL INFORMATION

Description

□ชลล์ □คราติโนไซต์ชั้นหนังกำพร้าปฐมภูมิของลูกหนู□ C57BL/10 LP ที่ □พึ่ง □กิดถูก □ปลี่ยนสภาพ ในหลอดทดลองโดยใช้ 7,12-ได □มทิล □บนซานทราซีน (DMBA)

Tissue	ผิวหนัง

CLASSIFICATION

Organism	Mouse
Sex	Unspecified
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Cell type	□คราติโนไซ □์

IDENTIFIERS

Citation

PDV (หมาย □ลขแคตตาล็อก Cytion 400314)

NCBI TaxID	10090
Cellosaurus	CVCL_5858

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 □ลขบทความ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Dissociation reagent	แอคคู □ทส

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Banking information
Sparkasse Heidelberg
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Subculturing

□□ PBS □□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□□□□ T25 □□□□□□□ PBS 3-5 □□. □□□□□□□□□□□□□□□□ T75 □□□□□□□ 5-10 □□. □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ Accutase □□□□□□□ 1-2 □□. □□□□□□□□□□□□ T25 □□□□ 2.5 □□. □□□□□□□□□□□□□ T75□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□ 8-10 □□ □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□ □ □□□□□□□□□□□□□□□□□□□□□□□□□□ 10 □□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 300 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ (300xg) □□□□□□□□□□ 3 □□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□□□

Seeding density	2 x 10^4 □□□□□□/□□.^²
Fluid renewal	2 □□□ 3 □□□□□□□□□□□□□□□□□□□
Post-thaw recovery	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□□□ 5 x 10⁴ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□ 24 □□□□□□□□□

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	C57BL/10 LP
Donor age	1 □□□

LEGAL AND SAFETY

Safety precautions

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Disclaimer

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Warranty

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Third-party agreements apply	Yes

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