SW-1353

300440

GENERAL INFORMATION

Description

□ซลล์ไลน์นี้ถูกก่อตั้งขึ้นในปี 1977 โดย A. Leibovitz สื่อ □ลี้ยง □ซลล์ □ริ่มต้นคือ Leibovitz medium (L-15) ที่มีคอร์ติโซนและอินซูลินผสมกับ □ซรั่มจาก □ลือดวัวในครรภ์ 10% และยาปฏิชีวนะ

Tissue	กระดูก , กระดูกแขนขวา
Disease	คอนโดรซาร์โคมา (□กรด II)

Synonyms

- SW1353
- SW 1353

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	ค □้ายไฟโบรบลาส □์

Karyotype

ไฮ □ปอร์ไดพลอยด์ 47,xx, +7, ยก □ว้นไตรโซมี N7 ไม่มี □ครื่องหมายโครโมโซมอื่นที่ปรากฏ

IDENTIFIERS

Citation

SW-1353 (หมาย □ลขแคตตาล็อก Cytion 300440)

NCBI TaxID	9606
Cellosaurus	CVCL_0543

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

การแสดงออกของแอนติ □จน : กรุ๊ป □ลือด O-

Isoenzymes

G6PD, B, PGM1, 1, PGM3, 2, ES-D, 2, AK-1, 1, GLO-1, 2, ความ □□□ของ □ีโนไท □์ : 0.00009

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BIC: SOLADES1HDB

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HANDLING AND CULTURE

Culture medium

DMEM:Ham's F12 (1:1), w: 3.1 □□□□/□□□□ □□□□□□, w: 2.5 □□□□□□□□□□□ L-□□□□□□□□□, w: 15 □□□□□□□□□□□ HEPES, w: 0.5 □□□□□□□□□□□ □□□□□□□□□□□□□□□, w: 1.2 □□□□/□□□□ NaHCO3 (□□□□□□□□□□□□□□ Cytion 820400a)

Incubation atmosphere	37°C, 5%CO2, □□□□□□□□□□□□

Supplements

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Dissociation reagent	□□□□□□□□

Subculturing

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Seeding density	1 x 10^4 □□□□□□/□□.^²
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) □□□ □□ □□ □□□□

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Storage conditions

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Shipping conditions

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DONOR

Donor age	72 □□
Ethnicity	□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Warranty

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Material Transfer Agreement required	Yes