Hep-CLS-E1

400196

GENERAL INFORMATION

Description

ก่ □ตัวจากมะเร็งตับเซลล์ต้นกำเนิดชนิดปฐมภูมิในหนู □ C3H/HE โดยเนื้ □ง □กเหล่านี้ถูกเหนี่ยวนำในหนู □ C3H/HE ด้วยการฉีด N-nitrosodiethylamine (NDEA) เพียงครั้งเดียวเข้าช่ □งท้ □ง

Tissue	ตับ
Disease	มะเร็งตับชนิดเซลล์ตับ

Synonyms

- HEP-CLS-E1
- E1

CLASSIFICATION

Organism	Mouse
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	ลักษณะคล้ายเยื่ □บุผิว
Tumourigenic	□□□ ในห □ู C3H/HE

IDENTIFIERS

Citation

Hep-CLS-E1 (หมายเลขแคตตาล็ □ก Cytion 400196)

NCBI TaxID	10090
Cellosaurus	CVCL_5777

EXPRESSION AND SUSCEPTIBILITY

Protein expression

เคราติน 8, เคราติน 18, วิเมนติน

Mutational profile

พี 53 □□□□หนัก

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BIC: SOLADES1HDB

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HANDLING AND CULTURE

Culture medium

Ham's F12, w: 1.0 mM □□□□□□□□□□□□□□□□, w: 1.0 mM □□□□□□□□□□□□□□□□, w: 1.1 g/L $NaHCO_3$ (□□□□□□□□□□□□□□ Cytion 820600a)

Incubation atmosphere	37°C, 5%CO_2, □□□□□□□□□□□□□

Supplements

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Dissociation reagent	□□□□□□□□□

Subculturing

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

Seeding density	1 x 10^4 □□□□□□/□□.^²
Fluid renewal	□□□ 3 □□□ 5 □□□
Post-thaw recovery	□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□ 5 x 10^4 □□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□ 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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Storage conditions

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Shipping conditions

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DONOR

Breed / subspecies	C3H/HE
Donor age	□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Warranty

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<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">□□□□□□□□□□□□□□□□□□□□□□□□.

Material Transfer Agreement required	Yes

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