MEL-CLS-2

300283

GENERAL INFORMATION

Description

□ซลล์ไลน์นี้ถูกสร้างขึ้น □ป็น □ซลล์ไลน์ในหลอดทดลองจาก □นื้องอก □มลานอมาที่ปลูกถ่ายจาก
มะ □ร็งผิวห □◌ังชนิด □มลาโนมาปฐมภูมิ โดย CLS ในปี 1998

Tissue	การปลูก □◌่ายอวัยวะจากมนุษย์
Disease	□มลาโนมา

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Tumourigenic	ใช่ ในหนูที่ไม่มีขน

Karyotype

หมาย □ลขโม □ดล 51 ช่วง 38-56

IDENTIFIERS

Citation

MEL-CLS-2 (หมาย □ลขแคตตาล็อก Cytion 300283)

NCBI TaxID	9606
Cellosaurus	CVCL_6001

EXPRESSION AND SUSCEPTIBILITY

Protein expression

พี 53บวก

Mutational profile

BRAF V600Emut

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

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Supplements

[illegible] FBS 10%

Dissociation reagent	[illegible]

Subculturing

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

Seeding density	1 [illegible] 2 x 10^4 [illegible]/[illegible]
Fluid renewal	[illegible] 3 [illegible]

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

[illegible] PCR [illegible]

[illegible]

Freeze medium	[illegible] ([illegible] FBS) + 10% DMSO [illegible] CM-1 ([illegible] Cytion 800100) [illegible]

Storage conditions

[illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

Shipping conditions

[illegible] −78 °C [illegible]

DONOR

Donor age	[illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes