[illegible] KG-1

300208

KG-1 [illegible] (AML) [illegible] KG-1 [illegible]

[illegible] KG-1 [illegible] KG-1 [illegible] CD34, HLA-DR, [illegible] CD13 [illegible]

KG-1 [illegible] KG-1 [illegible]

GENERAL INFORMATION

Description

KG-1 [illegible] (AML) [illegible] KG-1 [illegible]

[illegible] KG-1 [illegible] KG-1 [illegible] CD34, HLA-DR, [illegible] CD13 [illegible]

KG-1 [illegible] KG-1 [illegible]

Tissue	[illegible]
Disease	[illegible]

Synonyms

- KG1

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Cell type	ไมอีโลบลาสต์
Doubling time	45 ชั่วโมง

IDENTIFIERS

Citation

KG-1 (หมาย □ลขแคตตาล็อก Cytion 300208)

NCBI TaxID	9606
Cellosaurus	CVCL_0374

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

HLA A30, A31, B35, Cw4

Isoenzymes

G6PD, B, PGM1, 1-2, PGM3, 0, ES-D, 1, Me-2, 1, AK-1, 0, GLO-1, 2

Viruses

EBNA (EBNA): ลบ

Reverse transcriptase	□ชิงลบ

HANDLING AND CULTURE

Culture medium

IMDM, w: 4.5 กรัม /ลิตร กลูโคส , w: 4 มิลลิโมลาร์ L-กลูตามีน , w: 25 มิลลิโมลาร์ HEPES, w: 1.0 มิลลิโมลาร์ โซ □ดียมไพรู □วต , w: 3.024 กรัม /ลิตร NaHCO3 (หมาย □ลขบทความ Cytion 820800a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Subculturing

ถ่ายสารแขวนลอย □ซลล์ลงในหลอดปั่น □หวี่ยงที่ปราศจาก □ชื้อ รวบรวม □ซลล์โดยการปั่น □หวี่ยง □□□ 300xg □ปั็น □วลา 3 นาที ทิ้งส่วนใสด้านบนและแขวน □ซลล์ □ี่ตกตะกอนในอาหาร □□ ี้ยง □ซลล์ใหม่ ปรับความหนาแน่นของ □ซลล์ให้ □หมาะสมระหว่าง 1 - 3 x 10^5 □ซลล์ /มล . แบ่ง □ซลล์ □มื่อความหนาแน่น สูงสุดของ □ซลล์ถึง 1 - 2 x 10^6 □ซลล์ /มล .

Fluid renewal	ทุก 3 วัน
Post-thaw recovery	ให้ □ซลล์ฟื้นตัวจากกระบวนการแช่แข็งอย่างน้อย 24 ชั่วโมง

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Banking information
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BIC: SOLADES1HDB

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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

Donor age	59 □□
Ethnicity	□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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Warranty

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Material Transfer Agreement required	Yes