V79-GalK1

305011

GENERAL INFORMATION

Description

[illegible] V79 [illegible] [illegible] [illegible] 2-[illegible] [illegible] [illegible] 8-[illegible]

Tissue	[illegible]
Disease	[illegible] ([illegible]; [illegible] [illegible] V79 [illegible] EMS; [illegible] 2-[illegible] [illegible] [illegible] 8-[illegible])
Metastatic site	[illegible] ([illegible]; [illegible])

Applications

[illegible]; [illegible]; [illegible]; [illegible]; [illegible] V79 [illegible] [illegible] HPRT; [illegible] CHO/V79; [illegible] [illegible]

CLASSIFICATION

Organism	Chinese hamster
Sex	Male
Growth properties	Adherent
GMO status	Non-GMO

GMO status details

No genetic modification (mutagenesis by EMS is a chemical mutagen treatment, not stable transgene introduction); carries galactokinase deficiency and 8-azaguanine resistance arising from endogenous mutations

Biosafety level	1

CHARACTERISTICS

Morphology	[illegible]
Cell type	[illegible]

Karyotype

2n=22

Doubling time	[illegible] 14 [illegible] 18 [illegible] ([illegible] V79; [illegible] [illegible])

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BIC: SOLADES1HDB

IDENTIFIERS

Citation

V79-GalK1 ([illegible] Cytion 305011)

NCBI TaxID	10029
Cellosaurus	CVCL_2989

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 [illegible]/[illegible] [illegible], w: 4 [illegible] [illegible]-[illegible], w: 3.7 [illegible]/[illegible] $NaHCO_3$, w: 1.0 [illegible] [illegible] [illegible] ([illegible] Cytion 820300a)

Incubation atmosphere	37°C, 5%CO_2, [illegible]

Supplements

[illegible] FBS 10%

Dissociation reagent	[illegible]

Subculturing

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

Split ratio	1 [illegible] 5
Seeding density	2–4 × 10^4/cm²
Fluid renewal	2 [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]
[illegible] [illegible] [illegible] [illegible] [illegible]

Freeze medium	□□□ □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ (□□□□□□□ FBS) + 10% DMSO □□ □□□□ CM-1 (□□□□□□□□□ □□□□□□□□□□□ Cytion 800100) □□ □□□ □□□ □□□□

Storage conditions

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Shipping conditions

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DONOR

Ethnicity	□□□□□□□ (□□□□□□□□□□□□□□□□□□□□□□□□□)

LEGAL AND SAFETY

Safety precautions

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Warranty

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Material Transfer Agreement required	Yes

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