Cytion

CHO-K1 suspension adapted

603486

GENERAL INFORMATION

Description

CHO-K1 □□□□□ CHO □□□□□□□□□□□□□□□□ 1950 □□□□□□□□□□□□□□□□CHO-K1 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□ □□□ □□□□□□□
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Tissue	□□

Applications

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Synonyms

- CHO K1
- CHOK1
- CHO cell clone K1
- GM15452

CLASSIFICATION

Organism	Chinese hamster
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	□□□

Karyotype

50 □□□□□□□□□□□□□2n = 22□□□□□□□□□□

Doubling time	22 □□

IDENTIFIERS

Citation

□□□□ CHO-K1 □□□□□□□Cytion □□ 603486□

NCBI TaxID	10029
Cellosaurus	CVCL_0214

EXPRESSION AND SUSCEPTIBILITY

Virus susceptibility

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Reverse transcriptase	□

HANDLING AND CULTURE

Culture medium

ThermoFisher □□□□□ (CD CHO)□□□□□□□□□□□□□

Incubation atmosphere	37°C□5% CO_2□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 110 □□□□□□□□□□□□□□

Supplements

L-□□□□□□□□□□□□□□□□□□□ 8 mM□□□□□□ 200 mM □□□□□ 40 □□□□□□□□□□ CD CHO □□□□□□□□□□□□□□□□□□□□ 1:100 □□□□ □□□□ 1:100 □□□ HT □□□□

Dissociation reagent	□

Subculturing

□□ 1 × 10^5 □□□/□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□

Seeding density	4 × 10^5 □□□□□□□
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□□ □□

Storage conditions

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Shipping conditions

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DONOR

Donor age	□□

LEGAL AND SAFETY

Safety precautions

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Disclaimer

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Warranty

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Material Transfer Agreement required	Yes