UM-SCC-129

305727

GENERAL INFORMATION

Description

UM-SCC-129 □□□□

IDENTIFIERS

Citation

UM-SCC-129 (□□□□□□□□□□□□□□□□□□□□ Cytion 305727)

NCBI TaxID	9606
Cellosaurus	Not assigned

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 □□□□/□□□□ □□□□□□, w: 4 □□□□□□□□□□□□ □□□-□□□□□□□□, w: 3.7 □□□□/□□□□ NaHCO3, w: 1.0 □□□□□□□□ □□□□ □□□□□□□□□□□□□□□ (□□□□□□□□□□□□□□□ Cytion 820300a)

Incubation atmosphere	37°C, 5%CO2, □□□□□□□□□□□□□

Supplements

□□□□□□□□□□□□□□□□□□□□□□□□□□□ FBS 10% □□□ NEAA 1%

Dissociation reagent	□□□□□□□□

Subculturing

□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□ PBS □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□ Accutase □□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□ 8–10 □□□□ □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□ 300×g □□□□□□□□ 3 □□□□ □□□□□□□□□□□ □□□

Split ratio	1 □□□ 5
Seeding density	1 □□□ 3 × 10^4 □□□□□/□□.
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 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

QUALITY CONTROL AND CRYOPRESERVATION

Freeze medium	□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	□□□□□□□□□□□
Ethnicity	□□□□□□□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

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