12Z

305733

GENERAL INFORMATION

Description

[illegible] 12Z [illegible] SV40 large T [illegible] 12Z [illegible] cytokeratin-positive [illegible] E-cadherin-negative [illegible] N-cadherin [illegible] cadherin [illegible]

[illegible] 12Z [illegible] E2 (PGE2) [illegible] MMP-2 [illegible] MMP-9 [illegible] 12Z [illegible] PGE2 [illegible] 12Z [illegible]

[illegible] 12Z [illegible] STR (short tandem repeat) [illegible] Z11 [illegible]

Tissue	[illegible], [illegible]
Disease	[illegible]

Synonyms

- 12z
- 12-Z
- Z12
- Z-12
- Z12 Eo
- EEC12Z

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
GMO status	GMO-S1

GMO status details

GMO-S1: This cell line contains an SV40 Large T Antigen expression construct delivered via a pcDNA3.1 vector, enabling extended proliferation through p53 and Rb inactivation. The insert is integrated into the human endometriotic cell line 12Z. This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Morphology	ลักษณะคล้าย □ยื่อบุผิว
Cell type	□ซลล์ □ยื่อบุผิว
Doubling time	31 ชั่วโมง

IDENTIFIERS

Citation

12Z (หมาย □ลขแคตตาล็อก Cytion 305733)

NCBI TaxID	9606
Cellosaurus	[CVCL_0Q73]()

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

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Seeding density	1-3 x 10^4 □ซลล์ /ตาราง □ซนติ □มตร

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

การปน □ปื้อนของไมโคพลาสมาถูกตัดออกโดยใช้ทั้งการทดสอบแบบ PCR และการตรวจหาไมโคพลาสมาโดยใช้วิธีการ □รืองแสง
□พื่อให้แน่ใจว่าไม่มีการปน □ปื้อนของแบคที □รีย □ชื้อรา หรือยีสต์ การ □พาะ □ลี้ยง □ซลล์จะถูกตรวจสอบด้วยสายตาทุกวัน

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2 / 3

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

Storage conditions

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Shipping conditions

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Donor age	37 □□

LEGAL AND SAFETY

Safety precautions

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Disclaimer

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Warranty

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Material Transfer Agreement required	Yes