B-LCL-CDG1

302012

GENERAL INFORMATION

Description

B-LCL-CDG1 □□□□□□□□□□□□□□□□□□□□□□□□□ B □□□□□□□□□□□□□□□□□□□□□□ EBV □□□ PMM2-CDG □□□ (CDG) □□ *PMM2* □□□□□□□□□□□□□□□□□□□□□□□□□□ phosphomannomutase 2 (PMM2) □□□ *PMM2* □□□ □□□□□□□□□ □□□ □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□□□□□□ □□ EBV, B-LCL-CDG1 □□ *PMM2*. □□, □□□□□□□□□□□□□□□□□□□□□□□ PMM2, □□ □□.B-LCL-CDG1 □□ CDG □□□□□ □ □□□ CDG □□

Tissue	□□□□□□□□□□□□□□□□
Disease	□□□
Metastatic site	□□□□□□□□□□□□□□□□ (EBV-transformed B-LCL; □□□□□□□□□□□□□□□□□□□□□□)

Applications

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ CDG □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□ (□□□□□ □□□□□□□□□□ □□□□□□□□□□□□ B) □□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□ □□□□□□□□□□□□□□□ HLA □□

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
GMO status	GMO-S2

GMO status details

GMO-S2: This B-LCL contains a stably maintained EBV episome encoding viral latent-phase genes (EBNA-1/-2/-3, LMP-1/-2). EBV is classified as a risk group 2 pathogen; BSL-2 containment required. This classification applies within Germany; regulations may differ elsewhere.

Biosafety level	2

CHARACTERISTICS

Morphology	□□□□□□□□□□
Cell type	□□□□□□□□□□□□□□

IDENTIFIERS

Citation

บี -แอลซีแอล -ซีดีจี 1 (หมายเลขแคตตาล็อก Cytion 302012)

NCBI TaxID	9606
Cellosaurus	Not assigned

EXPRESSION AND SUSCEPTIBILITY

Viruses

ทราน□์ฟอ□์แมน□์ : EBV

HANDLING AND CULTURE

Culture medium

RPMI 1640, w: 2.0 mM กลูตามีนเสถียร, w: 2.0 กรัม/ลิตร NaHCO3 (หมายเลขบทความ Cytion 820700a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

เติมอาหารเลี้ยงเชื้อด้วย FBS ที่ทำให้ไม่ทำงานทางชีวภาพด้วยความร้อน 10%

Subculturing

รักษาวัฒนธรรมโดยการเติมหรือเปลี่ยนสื่อกลางเป็นระยะๆ เริ่มต้นวัฒนธรรมด้วยความหนาแน่น 2 x 10^5 เซลล์/มล. และรักษาความเข้มข้นของเซลล์ให้อยู่ในช่วง 1 x 10^5 ถึง 5 x 10^5 เซลล์/มล. เพื่อการเจริญเติบโตที่เหมาะสมที่สุด

Fluid renewal	เมื่อสีกลางเปลี่ยนเป็นสีเหลือง

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

การปนเปื้อนของไมโคพลาสมาถูกตัดออกโดยใช้ทั้งการทดสอบแบบ PCR และการตรวจหาไมโคพลาสมาโดยใช้วิธีการเรืองแสง
เพื่อให้แน่ใจว่าไม่มีการปนเปื้อนของแบคทีเรีย เชื้อรา หรือยีสต์ การเพาะเลี้ยงเซลล์จะถูกตรวจสอบด้วยสายตาทุกวัน

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

2 / 3

Freeze medium	[illegible] [illegible] ([illegible] FBS) + 10% DMSO [illegible] [illegible] CM-1 ([illegible] Cytion 800100) [illegible]

Storage conditions

[illegible] [illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

Shipping conditions

[illegible] [illegible] −78 °C [illegible] [illegible] [illegible]

DONOR

Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes