B-LCL-HROG02

302106

GENERAL INFORMATION

Description

B-LCL-HROG02 □□□□ HROG □□□□□□□□□□ 68 □□□□□□□□□□□□□□□□□□□□□□□□□-□□□□□EBV□□□ B □□□□□□□□□ □B-LCL□□ □□ HROG □□□□□□□□□□ 68 □□□□□□□□□□□□□□□□□□ HROC □□□□□ B-LCL □□□□□□□□□□□□ □□ EBV □□□□□□□□□ B □□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□HROG02 □□□□□□ EBV □□□□□EBNA-1□-2□-3□ LMP-1□-2□□□□□□□□HLA I□ □II□□□□□□□□□CD80□CD86□□□□□CD54□CD58□□□B□□□□□CD19□CD20□CD23□
B-LCL-HROG02 □□□ T □□□□□□□□□□NK □□□□□□□□HLA □□□□□□□□□□□□□□□□□□□□□□□□□ T □□□CTL□□□□□□ □ HROG □ □□□ T □□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□

Tissue	□□□
Disease	EBV □□□ B □□□□□□□□□□B-LCL□□□□□□□□□□

Applications

□□□□□□T □□□□□□□□□□NK □□□□□□□□□□□□□□□HLA□□□□□□□□□□□□□□□□□□□□□□□□□ T □□□CTL□□□□□□□□□□□□□□□

CLASSIFICATION

Organism	Human
Sex	Male
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. Handling requires BSL-2 containment. This classification applies within Germany; regulations may differ in other jurisdictions.

Biosafety level	2

CHARACTERISTICS

Morphology	□□□□□□
Cell type	B □□□□□
Doubling time	24 □ 48 □□

IDENTIFIERS

Citation

B-LCL-HROG02□Cytion □□ 302106□

NCBI TaxID	9606

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

EXPRESSION AND SUSCEPTIBILITY

Viruses

□□□□EBV

HANDLING AND CULTURE

Culture medium

RPMI 1640□□ 2.0 mM □□□□□□□□ 2.0 g/L $NaHCO_3$□Cytion □□□□ 820700a□

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

Supplements

□□□□□□□ 15–20% □□□□□□FBS□

Subculturing

□ 2–3 □□□□□□□□□□□□□□□□□□□□□□□□□ 2–5 × 10^5 □□/□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□ 2 × 10^6 □□/ml□□□□□□ □□□□300 × g□5 □□□□□□□□□□□□□□□□□□□□

Split ratio	1 □ 4
Seeding density	2 □ 5 × 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 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	□□□□□□□□□□□□□□□□□□□□□□□□ 10% □□□□□□□□DMSO□□□□□□□□□□□□□□□□□□□□ □□□□

Storage conditions

□□□□□□□□□□□□□□□□□□ −150 □ −196 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□ −80 °C □□□□□□□□□□□□□□□

Shipping conditions

□□□□□□□□□□□□□□□□□□□

Warranty

□ Cytion□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□
60 □□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□
□□□□□□□□

Third-party agreements apply	Yes

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