

B-LCL-CDG4 Cells | 302015

XXXXXXXXXX XXXXX

| | |
|---------------------|---|
| Description | B-LCL-CDG4 [REDACTED] CD41. C [REDACTED] |
| Organism | [REDACTED] |
| Tissue | [REDACTED] |
| Disease | [REDACTED] |
| Applications | [REDACTED] ([REDACTED] |

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| | |
|--------------------------|------------|
| Age | [REDACTED] |
| Gender | [REDACTED] |
| Ethnicity | [REDACTED] |
| Morphology | [REDACTED] |
| Cell type | [REDACTED] |
| Growth properties | [REDACTED] |

XXXXXXXXXXXX XXXXXXXXXXXXXXX

| | |
|-----------------------------|--------------------------------|
| Citation | B-LCL-CDG4 ([REDACTED] 302015) |
| Biosafety level | 2 |
| NCBI_TaxID | 9606 |
| CellosaurusAccession | CVCL_A9Y2 |

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| | |
|---------------------------|--|
| Surface antigens | CD15 (dim) + CD15s (dim) - CD75s (dim) + CD173 (dim) (HLA-DR)+ |
| Antigen expression | CD19+ CD20+ CD37+ CD43+ CD44+ CD45+ CD45R0- CD45R0 MHC Cl.I+ MHC (HLA-DR)+ |
| Viruses | |
| Culture Medium | RPMI 1640 2.0 2.0 NaHCO3 (820700a) |
| Supplements | 10% FBS |
| Subculturing | 1:5 |
| Fluid renewal | |
| Post-Thaw Recovery | |
| Freeze medium | (FBS) + 10% DMSO |

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a 37°C water bath. Transfer the cells to a pre-warmed cell culture flask containing 10 ml of complete medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 ml of complete medium.
3. Seed the cells into a pre-warmed cell culture flask containing 10 ml of complete medium. Incubate at 37°C in a humidified CO₂ incubator.
4. After 24 hours, remove the medium and replace it with fresh complete medium. The cell density should be approximately 70% confluency.
5. After 48 hours, remove the medium and replace it with fresh complete medium. The cell density should be approximately 80% confluency.
6. After 72 hours, remove the medium and replace it with fresh complete medium. The cell density should be approximately 80% confluency.
7. After 96 hours, remove the medium and replace it with fresh complete medium. The cell density should be approximately 80% confluency.
8. After 120 hours, remove the medium and replace it with fresh complete medium. The cell density should be approximately 80% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Flasks should be coated with 100 µg/ml of CD40L and 100 µg/ml of IL-4.

Freezing Procedure

Cells should be frozen in 10% FBS and 90% FCS. Store at -80°C.

Shipping Conditions

Cells should be shipped in 10% FBS and 90% FCS. Store at -80°C.

Storage Conditions

Cells should be stored in 10% FBS and 90% FCS. Store at -150 to -196°C.

HLA-DRB1*01:01 / HLA-DQA1*01:01 / HLA-DQB1*06:02

Sterility

Cells are tested for mycoplasma contamination using PCR. Results are negative.

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HLA

A*: '01:01:01, '24:02:01

B*: '08:01:01, '18:01:01

C*: '07:01:01, '12:03:01

DRB1*: '03:01:01, '15:01:01

DQA1*: '01:02:01, '05:01:01

DQB1*: '02:01:01, '06:02:01

DPB1*: '03:01:01, '04:02:01

E: '01:01, '01:03