

HMy2.CIR | 305126

Description HMy2.CIR is a cell line derived from a patient with HLA DRB1*03:01, DQB1*02:02, and DQA1*01:01. The cell line is maintained in the presence of ARH-77 and HMy2.CIR (EBNA+) and is characterized by its ability to produce HLA class II molecules.

Organism Homo sapiens

Tissue T-lymphocytes

Synonyms Hmy.2 CIR, HMy2.CIR, C1R

Age 33 years

Gender Male

Ethnicity German

Morphology Lymphocytes

Growth properties Adherent

Citation HMy2.CIR (ATCC CCL 305126)

Biosafety level 2

NCBI_TaxID 9606

CellosaurusAccession CVCL_3714

Product sheet

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Culture Medium IMDM 4.5 g/l, Glucose 4 g/l, Sodium Bicarbonate 25 mM (HEPES) 1.0 mM

Supplements 10% FBS

Subculturing 1:5

Fluid renewal 2-3 times per week

Freeze medium Serum free medium (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Dilute cells into pre-warmed medium and allow to recover at 37°C.
 3. Seed cells into a new flask at a density of 37 cells/cm².
 4. Allow cells to attach and reach 70% confluency.
 5. Perform a 1:5 passage into a new flask.
 6. Seed cells into a 300 cm² flask at a density of 3 cells/cm².
 7. Allow cells to attach and reach 10% confluency.
 8. Perform a 1:10 passage into a new flask.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Seed cells into a cryovial at a density of 10⁶ cells/vial.

Shipping Conditions Dry ice, -78°C

