

HMy2.CIR | 305126

Description HMy2.CIR is a cell line derived from a patient with HLA A*02:01, B*07:02, C*07:02, D*01:01, DRB1*03:01, DRB3*01:01, DRB4*01:01, and DQB1*03:01. 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 mg/l (HEPES) 1.0 mg/l

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. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells three times with serum free medium at 37°C.
 4. Resuspend cells in fresh medium containing 70% serum free medium.
 5. Seed cells into a 15 cm tissue culture flask at 8 x 10⁶ cells.
 6. Seed cells into a 300 cm² flask at 3 x 10⁸ cells.
 7. Seed cells into a 10 cm flask at 1 x 10⁷ cells.
 8. Seed cells into a 25 cm² flask at 5 x 10⁷ cells.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Freeze cells in a controlled rate freezer at -1°C/min to -80°C.

Shipping Conditions Ship cells at -80°C.

