

HMMy2 | 302008

HMMy2

Description	HMMy2 is a human myeloid cell line derived from a patient with acute myeloid leukemia (AML). It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and its ability to differentiate into myeloid cells. HMMy2 is a derivative of the HL60 cell line, which was established from a patient with AML. HMMy2 is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and its ability to differentiate into myeloid cells. HMMy2 is a derivative of the HL60 cell line, which was established from a patient with AML.
Organism	Human
Tissue	Myeloid
Disease	Acute myeloid leukemia (AML)
Applications	HMMy2 is used for the study of myeloid differentiation and for the development of new therapies for AML. It is also used for the study of the effects of various drugs on myeloid cells.
Synonyms	LICR-Lon-HMy2, LICR-LON-HMy2, LICR.LON.HMy2, Licr.Lon.Hmy2, LICRLON/My2, HMy.2 B, LICR-2

Characteristics

Age	33 years
Gender	Male
Ethnicity	Chinese
Morphology	Granulocytic
Cell type	Myeloid
Growth properties	Continuous

References

Citation	HMMy2 (Cytion 302008)
Biosafety level	1
NCBI_TaxID	9606

CellosaurusAccession CVCL_8119

Karyotype 46,

Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (β -mercaptoethanol Cytion 820700a)

Subculturing 5 x 10⁶

Fluid renewal 3 5

Freeze medium α -MEM (Gibco), 10% FBS (Gibco) + 10% DMSO (Gibco) (Gibco)

[illegible]

Product sheet

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Incubation
Atmosphere

37°C, 5%_{CO2}, humidified

Flask Coating

None

Freezing
Procedure

After seeding, cells are grown to confluence. Cells are then harvested by trypsinization and resuspended in freezing medium. The suspension is then frozen in a controlled rate freezer and stored at -78°C.

Shipping
Conditions

Cells are shipped in a dry ice container and stored at -78°C.

Storage
Conditions

Cells are stored in liquid nitrogen at -150 to -196 °C. The storage time is unlimited.

Genotype

Sterility

Cells are tested for mycoplasma contamination using PCR. The results are negative. Cells are also tested for endotoxin contamination using the Limulus amoebocyte lysate (LAL) test. The results are negative.

HLA

A*: '02:01:01, '03:01:01
B*: '15:01:01, '35:03:01
C*: '03:04:01, '04:01:01
DRB1*: '04:01:01, '12:01:01
DQA1*: 03:01:01, 05:05:01
DQB1*: 03:01:01, 03:02:01
DPB1*: '03:01:01, '04:01:01
E: 01:01, 01:03