

OCI-LY3 | 305480

General information

Description	OCI-LY3 is a human B-cell lymphoma cell line derived from a patient with Diffuse Large B-cell Lymphoma (DLBCL). It is characterized by the presence of B-cell markers and the expression of the BCL-2 gene. OCI-LY3 is a highly proliferative cell line that is used for the study of B-cell lymphoma and for the development of new therapies. It is a cell line that is used for the study of B-cell lymphoma and for the development of new therapies. It is a cell line that is used for the study of B-cell lymphoma and for the development of new therapies.
Organism	Human
Tissue	B-lymphocytes
Disease	B-cell lymphoma
Synonyms	OCI-LY3, OCI-Ly3, OCI-LY-3, Oci-Ly-3, OCI-Ly 3, OCILY-3, OCI-Ly03, OCI Ly3, OCILY3, Ly3, LY3

Cell characteristics

Age	52 years
Gender	Male
Ethnicity	White
Morphology	Large B-cells
Growth properties	Exponential growth

Cell culture conditions

Citation	OCI-LY3 (Cell Culture) Cytion: 305480
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_8800

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Cell Line Information

Antigen expression	CD3 - CD10 - CD13 - CD19 (+) CD20 + CD34 - CD37 + cyCD79a + CD80 + CD138 -, HLA-DR +, sm/cyIgG +, sm/cyIgM -, sm/cykappa -, sm/cylambda +
Viruses	HBV, HCV, HIV-1
Mutational profile	IGH + HGNC11242 SPIB (c.755T>C) (L265P)

Cell Culture

Culture Medium	RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO3 (820700a)
Supplements	20% FBS
Doubling time	24 h
Subculturing	0.2-0.3 x 10 ⁶ cells / 12-24 h
Fluid renewal	2-3 times
Freeze medium	10% DMSO + 90% FBS

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Thawing and
Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 × g for 3 minutes. Remove the supernatant and resuspend the cells in 150 µl of medium.
3. Seed the cells into a 96-well plate (37 µl per well) and incubate at 37°C for 24 hours.
4. After 24 hours, replace the medium with fresh medium. The cell viability should be >70%.
5. Seed the cells into a 96-well plate (15 µl per well) and incubate at 37°C for 8 days.
6. Seed the cells into a 96-well plate (300 × g for 3 minutes) and incubate at 37°C for 24 hours.
7. Seed the cells into a 96-well plate (10 µl per well) and incubate at 37°C for 24 hours.
8. Seed the cells into a 96-well plate (10 µl per well) and incubate at 37°C for 24 hours.

Incubation
Atmosphere

37 °C, 5% CO₂, humidified

Shipping
Conditions

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

Storage
Conditions

Cells are stored at -150 °C to -196 °C in liquid nitrogen.

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Sterility

Cells are tested for sterility by PCR. The results are negative. The cells are free of contamination.