

OCI-LY19 | 305610

General information

Description	OCI-Ly19 is a human B cell lymphoma cell line. It is derived from a patient with diffuse large B-cell lymphoma (DLBCL). The cell line is characterized by the presence of the BCL2 gene, which is overexpressed in the cells. OCI-Ly19 cells are highly proliferative and are used for the study of B cell lymphoma. OCI-Ly19 cells are also used for the study of the BCL2 gene and its role in cell survival and proliferation. OCI-Ly19 cells are highly sensitive to BCL2 inhibitors and are used for the study of the mechanism of action of these drugs. OCI-Ly19 cells are also used for the study of the role of the BCL2 gene in the development of B cell lymphoma. OCI-Ly19 cells are highly sensitive to BCL2 inhibitors and are used for the study of the mechanism of action of these drugs. OCI-Ly19 cells are also used for the study of the role of the BCL2 gene in the development of B cell lymphoma.
Organism	Human
Tissue	B cell
Disease	B cell lymphoma
Synonyms	OCI-LY19, OCI-LY-19, OCI-Ly 19, OCI Ly19, OCILY-19, OCILY19, OCILy19, Ly19, LY19

Cell characteristics

Age	25 years
Gender	Male
Ethnicity	White
Morphology	Large B cell
Growth properties	Highly proliferative

Cell culture conditions

Citation	OCI-LY19 (Cytion 305610)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1878

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Thawing and
Culturing Cells

1. Thaw the cells as quickly as possible in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C in 5% CO₂ for 24 hours. Replace the medium with fresh medium after 24 hours.
4. Harvest the cells after 48 hours. Pellet the cells by centrifugation at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium.
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Incubation
Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

Not required

Shipping
Conditions

Cells are shipped in a dry ice container. The container should be kept at -78°C until the cells are received.

Storage
Conditions

Cells can be stored at -150°C for up to 196 days. The cells should be stored in a liquid nitrogen container.

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Sterility

Cells are supplied as a suspension in a sterile medium. The cells are not tested for mycoplasma contamination.

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