

Product sheet

OCI-LY19 | 305610

OCI-LY19

**Description** OCI-Ly19 is a human B cell line derived from a patient with diffuse large B-cell lymphoma. It is a cell line that is used for research purposes. OCI-Ly19 is a cell line that is used for research purposes. OCI-Ly19 is a cell line that is used for research purposes.

**Organism** Human

**Tissue** B cell

**Disease** Diffuse large B-cell lymphoma

**Synonyms** OCI-LY19, OCI-LY-19, OCI-Ly 19, OCI Ly19, OCILY-19, OCILY19, OCILy19, Ly19, LY19

OCI-LY19

**Age** 25 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Lymphoblastoid

**Growth properties** Adherent

OCI-LY19

**Citation** OCI-LY19 (ATCC CCL-222) | Cytion 305610

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1878

**OCI-LY19 | 305610**

**Cell Line** OCI-LY19

**Antigen expression** CD3-, CD10+, CD13-, CD19+, CD20(+), CD34(+), CD37-, CD38+, CD80-, CD138-, HLA-DR(+), sIgG+, sIgM-, cIlgkappa-, sIglambda+

**Viruses** PCR: EBV-, HBV-, HCV-, HIV-1-, HIV-2-, HTLV-1/2-, MLV-, SMRV-

**Mutational profile** **NRAS**, p.Gln61Lys (c.181C>A), **IGH-BCL2**

**Karyotype** 46,XX,t(4;8)(q3?2;q?24),del(6)(q15)x2,r(8)t(14;18) **IGH-BCL2**

**Media**

**Culture Medium** EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (**EBSS** Cytion 820100a)

**Supplements** **10% FBS**

**Doubling time** 40 **hours**

**Split ratio** 1:4 1:6

**Seeding density**  $3 \times 10^6$  **cells/ml**

**Fluid renewal** 2-3 **times per week**

**Freeze medium** **10% FBS** + 10% DMSO

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**Thawing and  
Culturing Cells**

1. Thaw the vial rapidly 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. Resuspend the cells in 15 ml of pre-warmed medium. Seed the cells into a T25 flask containing 70% medium.
3. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach confluence.
4. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.
5. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach confluence.
6. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.
7. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach confluence.
8. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 70% medium.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Non-adherent

**Shipping Conditions** Store at -78°C

**Storage Conditions** Store at -150°C for up to 196 days

**OCI-LY19 / OCI-LY19 / HLA**

**Sterility** Sterility testing performed by PCR. No contamination detected.