

CHO-CD20 | 305976

CHO-CD20

**Description**

CHO-CD20 is a cell line derived from CHO cells. It is a CHO cell line that expresses CD20. The cell line is used for the production of monoclonal antibodies. The cell line is characterized by its high growth rate and its ability to produce large amounts of antibody. The cell line is maintained in suspension culture in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 units/ml penicillin, 100 units/ml streptomycin, and 100 units/ml nystatin. The cell line is typically grown in T75 flasks. The cell line is characterized by its high growth rate and its ability to produce large amounts of antibody. The cell line is maintained in suspension culture in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 units/ml penicillin, 100 units/ml streptomycin, and 100 units/ml nystatin. The cell line is typically grown in T75 flasks.

**Organism** CHO

**Tissue** CHO

CHO-CD20

**Age** CHO

**Gender** CHO

**Morphology** CHO

**Cell type** CHO

**Growth properties** CHO

CHO-CD20

**Citation** CHO-CD20 (CHO) Cytion: 305976

**Biosafety level** 1

**NCBI\_TaxID** 10029

**CellosaurusAccession** CVCL\_A8V4

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**Receptors expressed** CHO-CD20

**CHO-CD20**

**Culture Medium** DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml Insulin 2.5 µg/ml Transferrin 15 µg/ml Selenium (1:1:1:1)  
CHO A (InSCREENeX InSCREENeX INS-ME-1039)

**Supplements** 5% FBS G418-Sulfat 0.5 µg/ml

**Dissociation Reagent** Trypsin-EDTA

**Subculturing** 1:2 to 1:3

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

**Post-Thaw Recovery** 1:2 to 1:3 T25 flasks

**Freeze medium** FBS + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 ml of medium.
3. Seed the cells into a T75 flask containing 50 ml of medium. The cell density should be approximately 1.5 x 10<sup>6</sup> cells per flask.
4. Incubate the cells at 37°C in a humidified CO<sub>2</sub> incubator (5% CO<sub>2</sub>).
5. Monitor the cell growth and confluency. Harvest cells when they reach 70-80% confluency.
6. Harvest cells by trypsinization. Seed cells into a new flask at a density of 1.5 x 10<sup>6</sup> cells per flask.
7. Repeat the process for subsequent passages.
8. Maintain cells in a continuous culture.

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

**Shipping Conditions** Store at -150°C to -196°C in liquid nitrogen

**Storage Conditions** Store at -150°C to -196°C in liquid nitrogen

**CHO-CD20 / CHO-CD20 / HLA**

**Sterility** The cells are free of mycoplasmas and other contaminants. The cells are tested for mycoplasmas using PCR.