



**CHO-CXCR4 | 305411L**

**CellosaurusAccession** CVCL\_A8V9

**GMO Status** GMO-S1: This CHO line contains a recombinant construct enabling low-level expression of human CXCR4 for chemokine receptor studies. This classification applies only within Germany and may differ elsewhere.

**Receptors expressed**

CXCR4 (CXCR4)

**Culture Medium**

DMEM:Ham's F12 (1:1), w: 3.1 g/l, w: 2.5 g/l L-Glutamine, w: 15 g/l InSCREENeX; InSCREENeX INS-ME-1039

**Supplements** FBS 5% Geneticin (G418-Sulfat) 0.5 mg/ml

**Dissociation Reagent** EDTA

**Doubling time** approx. 14-16 hours

**Subculturing** PBS

**Split ratio** 1 to 5

**Seeding density** 2 to 5 x 10<sup>4</sup> cells/cm<sup>2</sup>

**Fluid renewal** 2-3 times

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

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

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**Thawing and Culturing Cells**

1. Thaw cryovial rapidly in a 37°C water bath.
2. Transfer cells to a cryovial and centrifuge at 300 x g for 3 min.
3. Remove supernatant and resuspend cells in 15 ml of complete medium.
4. Seed cells into a T75 flask at 70% confluency.
5. Incubate cells at 37°C in a humidified atmosphere with 5% CO<sub>2</sub>.
6. Monitor cell growth and passage cells when they reach 70-80% confluency.
7. Harvest cells for analysis or expansion.
8. Store cells in liquid nitrogen for long-term preservation.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified atmosphere.

**Shipping Conditions**

Cryopreserved cell lines are shipped on dry ice in validated, insulated packaging with sufficient refrigerant to maintain approximately -78 °C throughout transit. On receipt, inspect the container immediately and transfer vials without delay to appropriate storage.

**Storage Conditions**

For long-term preservation, place vials in vapor-phase liquid nitrogen at about -150 to -196 °C. Storage at -80 °C is acceptable only as a short interim step before transfer to liquid nitrogen.

**CHO-CXCR4 / CHO-CXCR4 / HLA**

**Sterility**

CHO-CXCR4 cells are tested for sterility by PCR and are found to be free of mycoplasma contamination.