

CHO-CXCR4 | 305411L

Description

CHO-CXCR4-Medium-high CHO CXCR4 9500
CXCR4 CD184 HIV CXCL12

Organism

Tissue

Disease Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR4 surface expression (low expression level)

Applications Antibody screening; CXCR4-targeted therapy development; HIV entry research; hematopoietic stem cell biology; flow cytometry

Synonyms CHO-CXCR4

Age

Gender

Morphology

Cell type Epithelial cells

Growth properties /

Citation CHO-CXCR4 Medium-high Cytion 305411MH

Biosafety level 1

NCBI_TaxID 10029

Product sheet

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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 CD184

Culture Medium A DMEM:Ham's F12 (1:1) w: 3.1 g/L w: 2.5 mM L- w: 15 mM HEPES w: 0.5 mM w: 1.2 g/L NaHCO3 Cytion
InSCREENeX InSCREENeX INS-ME-1039

Supplements 5% FBS G418- 0.5 mg/mL

Dissociation Reagent -EDTA

Doubling time approx. 14-16 hours

Subculturing PBS PBS /EDTA T25 1 T75 3 37°C

Split ratio 1 to 5

Seeding density 2 to 5 x 10⁴ cells/cm²

Fluid renewal 2 3

Post-Thaw Recovery 1:2 1:3 T25 24

Freeze medium FBS +10% DMSO CM-1 Cytion 800100

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Thawing and
Culturing Cells

1.					
2.		-150°C			3
3.		37°C		40-60	
4.			70%		
5.		8	15		
6.	300 x g	3			
7.	10			T25	T25
8.					

Incubation
Atmosphere

37°C, 5% CO₂, 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.

Sterility

PCR