Product sheet

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 Cytion 305411MH
Biosafety level	1
NCBI_TaxID	10029

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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	DMEM Ham's F12 1:1 3.1 g/L 2.5 mM L- 15 mM HEPES 0.5 mM 1.2 g/L NaH InSCREENeX InSCREENeX INS-ME-1039
Supplements	5% FBS Geneticin G418-Sulfat 0.5 mg/mL
Dissociation Reagent	-EDTA
Doubling time	approx. 14-16 hours
Subculturing	PBS PBS /EDTA T25 1 T75 3
Split ratio	1 to 5
Seeding density	2 to 5 x 10^4 cells/cm^2
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% CO_2, 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