Product sheet

[redacted] CHO-CXCR4 CHO-CXCR4 | 305411L

[redacted]

Description	[redacted] [redacted] CHO-CXCR4-Medium-High [redacted] CHO ([redacted]) [redacted] CX [redacted] CXCR4[redacted] CD184[redacted]
Organism	[redacted]
Tissue	[redacted]
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

[redacted]

Age	[redacted]
Gender	[redacted]
Morphology	[redacted]
Cell type	Epithelial cells
Growth properties	[redacted]

[redacted]

Citation	CHO-CXCR4 [redacted] ([redacted] 305411MH)
Biosafety level	1
NCBI_TaxID	10029

[illegible] CHO-CXCR4 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.

[illegible]

Receptors expressed	CXCR4 (CD184)

[illegible]

Culture Medium	[illegible]: DMEM: DMEM:Ham's F12 (1:1) [illegible] 3.1 [illegible]/[illegible] 2.5 [illegible] 15 [illegible] InSCREENeX [illegible] InSCREENeX INS-ME-1039)
Supplements	[illegible] 5 [illegible] FBS [illegible] (G418-[illegible]) [illegible] 0.5 [illegible]/[illegible]
Dissociation Reagent	[illegible]-[illegible]
Doubling time	approx. 14-16 hours
Subculturing	[illegible] PBS [illegible]
Split ratio	1 to 5
Seeding density	2 to 5 x 10^4 cells/cm^2
Fluid renewal	2 [illegible] 3 [illegible]
Post-Thaw Recovery	[illegible] 1:2 [illegible] 1:3 [illegible] T25 [illegible] ([illegible]
Freeze medium	[illegible] ([illegible] FBS) + 10% DMSO [illegible]

[redacted] CHO-CXCR4 CHO-CXCR4 | 305411L

Thawing and Culturing Cells

1. [redacted]
2. [redacted]
3. [redacted]
4. [redacted]
5. [redacted]
6. [redacted]
7. [redacted]
8. [redacted]

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.

[redacted]

Sterility

[redacted]