# Product sheet

## [redacted] CHO-CXCR4 | 305411L

### [redacted]

| | |
|---|---|
| **Description** | [redacted] CHO-CXCR4-Medium-high [redacted] CHO (Chinese Hamster Ovary) [redacted] CXCR4 [redacted] CXCR4, [redacted]<br><br>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]

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|---|---|
| **Age** | [redacted] |
| **Gender** | [redacted] |
| **Morphology** | [redacted] |
| **Cell type** | Epithelial cells |
| **Growth properties** | [redacted]/[redacted] |

### [redacted]

| | |
|---|---|
| **Citation** | CHO-CXCR4 [redacted]-[redacted] ([redacted] Cytion 305411MH) |
| **Biosafety level** | 1 |

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|---|---|
| **NCBI_TaxID** | 10029 |
| **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. |

### [redacted]

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| **Receptors expressed** | CXCR4 (CD184) |

### [redacted]

| | |
|---|---|
| **Culture Medium** | [redacted]: DMEM:Ham's F12 (1:1), w: 3.1 g/L [redacted], w: 2.5 mM L-[redacted], w: 15 mM HEPES, w: 0.5 mM [redacted], w 820400a) [redacted]: CHO Growth Medium A ([redacted]-InSCREENeX; [redacted] InSCREENeX INS-ME-1039) |
| **Supplements** | [redacted]: [redacted] 5% FBS. [redacted] Geneticin (G418-Sulfat) [redacted] 0.5 [redacted]/[redacted]. |
| **Dissociation Reagent** | [redacted]-EDTA |
| **Doubling time** | approx. 14-16 hours |
| **Subculturing** | [redacted]: [redacted] [redacted]-PBS [redacted]. [redacted] CO2, [redacted] 2-3 [redacted]. |
| **Split ratio** | 1 to 5 |
| **Seeding density** | 2 to 5 x $10^4$ cells/$cm^2$ |
| **Fluid renewal** | 2 [redacted] 3 [redacted] |
| **Post-Thaw Recovery** | [redacted], [redacted] 1:2 [redacted] 1:3 [redacted] T25 [redacted] 24 [redacted] |
| **Freeze medium** | [redacted], [redacted] (FBS) + 10% DMSO [redacted], [redacted] CM-1 ([redacted] |

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### Thawing and Culturing Cells

1. [redacted]
2. [redacted] -150°C [redacted]
3. [redacted] 37 [redacted]
4. [redacted] 70% [redacted]
5. [redacted] 15 [redacted] 8 [redacted]
6. [redacted] -300 x g [redacted] 3 [redacted]
7. [redacted] -10 [redacted] T2
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] PCR [redacted]

[redacted]