Product sheet

[redacted] CHO-HER2 | 305413H

[redacted]

Description	[redacted] CHO-HER2 [redacted] CHO (Chinese Hamster Ovary) [redacted], [redacted] HER2 [redacted] CD340, [redacted] (EGFR) [redacted]
Organism	[redacted]
Tissue	[redacted]
Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for HER2 (ErbB2/CD340) surface expression (high expression level)
Applications	Antibody screening; ADCC/CDC assays; HER2-targeted therapy development; breast/gastric cancer research; flow cytometry
Synonyms	CHO-HER2

[redacted]

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

[redacted]

Citation	CHO-HER2 [redacted] (Cytion 305413H)
Biosafety level	1
NCBI_TaxID	10029

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CellosaurusAccession	CVCL_A8W6
GMO Status	GMO-S1: This CHO cell line contains a construct enabling high-level expression of human HER2 for oncology and receptor-signaling studies. This classification applies only within Germany and may differ elsewhere.

[redacted] [redacted]- [redacted]

Receptors expressed	HER2

[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]-PBS [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] ([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]