Product sheet

[redacted] CHO-HER2 | 305413MH

[redacted]

Description	[redacted]: [redacted] CHO-HER2 [redacted] CHO (Chinese Hamster Ovary) [redacted] Trastuzumab (Herceptin) [redacted] Pertuzumab (Perjeta) [redacted]
Organism	[redacted]
Tissue	[redacted]
Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for HER2 (ErbB2/CD340) surface expression (medium-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]

[redacted]

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

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CellosaurusAccession	CVCL_A8W7
GMO Status	GMO-S1: This CHO derivative contains a medium-to-high HER2 expression construct for evaluating HER2-targeted therapeutics. This classification applies only within Germany and may differ elsewhere.

[redacted]

Receptors expressed	HER2

[redacted]

Culture Medium	[redacted]: DMEM:Ham's F12 (1:1), w: 3.1 [redacted]/[redacted] [redacted], w: 2.5 [redacted] L-[redacted], w: 15 [redacted] InSCREENeX; [redacted] InSCREENeX INS-ME-1039)
Supplements	[redacted]: [redacted] FBS 5% [redacted] Geneticin (G418-Sulfat) [redacted] 0.5 [redacted]/[redacted]
Dissociation Reagent	[redacted]: [redacted]-EDTA
Doubling time	approx. 14-16 hours
Subculturing	[redacted]: [redacted] [redacted] PBS
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]
Freeze medium	[redacted] [redacted] ([redacted] FBS) + 10% DMSO [redacted]

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Thawing and Culturing Cells

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

[redacted]