

CHO-HER2 | 305413MH

General information

Description	CHO-HER2 cells are a derivative of CHO (Chinese Hamster Ovary) cells, genetically engineered to express HER2 (ErbB2/CD340) on the cell surface. These cells are used for antibody screening, ADCC/CDC assays, and HER2-targeted therapy development. CHO-HER2 cells are CHO (Chinese Hamster Ovary) cells, genetically engineered to express HER2 (ErbB2/CD340) on the cell surface. These cells are used for antibody screening, ADCC/CDC assays, and HER2-targeted therapy development.
Organism	CHO
Tissue	CHO
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

Cell characteristics

Age	CHO
Gender	CHO
Morphology	CHO
Cell type	Epithelial cells
Growth properties	CHO

Identification and documentation

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

Cytion GmbH | Nikola-Tesla-Str. 3 | 69124 Heidelberg | Heidelberg
Heidelberg +49(0)6221 405780 | www.cytion.com | info@cytion.com

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**Thawing and
Culturing Cells**

1. Thaw cells rapidly in a water bath at 37 °C. Transfer the cells to a sterile tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of complete medium.
2. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
3. When cells reach confluence (approx. 70-80%), harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
4. When cells reach confluence, harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
5. When cells reach confluence, harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
6. When cells reach confluence, harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
7. When cells reach confluence, harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.
8. When cells reach confluence, harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 10 ml of complete medium. Incubate at 37 °C in 5% CO₂ atmosphere.

**Incubation
Atmosphere**

37 °C, 5% CO₂, 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.

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Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for sterility using a validated method. Cells are found to be free of mycoplasma and sterile.