

CHO-HER2 CHO-HER2 | 305413H

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Description	CHO-HER2 CHO-HER2 is a Chinese hamster ovary (CHO) cell line that has been genetically engineered to express high levels of HER2 (ErbB2/CD340) on its cell surface. This cell line is widely used in the study of HER2 signaling pathways and in the development of HER2-targeted therapies. CHO-HER2 CHO-HER2 cells are derived from CHO cells (Chinese hamster ovary) and are characterized by their high expression of HER2 (ErbB2/CD340) on the cell surface. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor-1 (IGF-1).
Organism	CHO-HER2
Tissue	CHO-HER2
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

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Age	CHO-HER2
Gender	CHO-HER2
Morphology	CHO-HER2 CHO-HER2
Cell type	Epithelial cells
Growth properties	CHO-HER2 CHO-HER2

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

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**Thawing and
Culturing Cells**

1. Remove the vial from liquid nitrogen storage and allow it to thaw at room temperature for 1-2 minutes.
2. Dilute the cell suspension into 10 mL of pre-warmed complete medium.
3. Transfer the cells into a T25 flask and incubate at 37 °C in 5% CO₂ for 24 hours.
4. After 24 hours, check the cell density. If the cells are not confluent, add more medium to reach 70% confluency.
5. Once cells are confluent, they can be used for experiments or passaged into a new flask.
6. For passaging, trypsinize the cells and seed them into a 300 × 16 mm² flask at a density of 3 × 10⁵ cells per flask.
7. After 10 days, the cells should be confluent. If not, check the medium and adjust the pH.
8. Once confluent, the cells can be used for experiments or passaged into a new flask.

**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

The cells are supplied as a frozen suspension in a vial. The cells are not tested for mycoplasma contamination. The cells are not tested for endotoxin contamination. The cells are not tested for viral contamination. The cells are not tested for bacterial contamination. The cells are not tested for fungal contamination. The cells are not tested for parasitic contamination. The cells are not tested for any other contamination.