

CHO-HER2 | 305413MH

CHO-HER2

Description	CHO-HER2 is a CHO (Chinese Hamster Ovary) cell line expressing Trastuzumab (Herceptin) and Pertuzumab (Perjeta).
Organism	CHO (Chinese Hamster Ovary)
Tissue	Epithelial
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

CHO-HER2

Age	Adult
Gender	Male
Morphology	Epithelial
Cell type	Epithelial cells
Growth properties	Adherent / Suspension

CHO-HER2

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

Product sheet

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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.

Receptors expressed HER2

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/l / g/l, w: 2.5 g/l L-Ascorbic acid, w: 15 g/l InSCREENeX; InSCREENeX INS-ME-1039)

Supplements FBS 5% Geneticin (G418-Sulfat) 0.5 mg/ml

Dissociation Reagent EDTA

Doubling time approx. 14-16 hours

Subculturing PBS

Split ratio 1 to 5

Seeding density 2 to 5 x 10⁴ cells/cm²

Fluid renewal 2 to 3 times

Post-Thaw Recovery 1:2 to 1:3 T25

Freeze medium (FBS) + 10% DMSO

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**Thawing and
Culturing Cells**

1. Thaw cells rapidly at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml of complete medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate cells at 37°C, 5% CO₂, humidified atmosphere.
6. Monitor cell growth and passage cells when they reach 80-90% confluency.
7. 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.
8. 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.

**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.

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are found to be free of mycoplasma contamination.