

CHO-EGFR | 305977

CHO-EGFR

Description

CHO-EGFR (CHO) cells are a derivative of the CHO-K1 cell line, which is a Chinese hamster ovary cell line. These cells are stably transfected with the human epidermal growth factor receptor (EGFR) gene. The cells are used for the production of monoclonal antibodies against EGFR. The cells are grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor 1 (IGF1). The cells are maintained in a humidified 5% CO2 atmosphere at 37°C.

Organism CHO-K1

Tissue Epithelial

Disease EGFR

Applications EGFR ADCC/CDC

CHO-EGFR

Age 1-3 months

Gender Male

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

CHO-EGFR

Citation CHO-EGFR (CHO) Cytion: 305977

Biosafety level 1

NCBI_TaxID 10029

Product sheet

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CellosaurusAccession CVCL_A8W3

GMO Status GMO-S1: CHO cells expressing EGFR

Surface antigens EGFR (HER1/ErbB1/CD340)

Culture Medium DMEM: DMEM:Ham's F12 (1:1) 3.1 / 2.5 15
CHO A (InSCREENeX InSCREENeX INS-ME-1039)

Supplements 5 FBS (G418-Sulfat) 0.5

Dissociation Reagent

Doubling time 14-16

Subculturing

Split ratio 1 : 5

Seeding density 2×10^5 cells/cm²

Fluid renewal 2-3 times

Post-Thaw Recovery

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in fresh medium.
3. Seed the cells into a T75 flask containing 37 mL of medium.
4. Incubate the cells until they reach 70% confluency.
5. Harvest the cells using a trypsin-EDTA solution for 15 minutes. Seed 8 x 10⁶ cells into a T75 flask.
6. Harvest the cells into a 300 x 3 mm dish.
7. Harvest the cells into a 10 mL tube.
8. Harvest the cells into a 10 mL tube.

Incubation Atmosphere 37 °C, 5% CO₂

Shipping Conditions 2-8 °C

Storage Conditions -150 °C to -196 °C

CHO-EGFR / CHO-EGFR / HLA

Sterility Sterility tested by PCR