

CHO-FOLR1 CHO-FOLR1 | 305416

General Information

Description

CHO-FOLR1 is a CHO cell line expressing the FOLR1 receptor. It is used for the production of antibodies targeting FOLR1. The cells are grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, 10 ng/ml transferrin, and 10 ng/ml selenium (ITS). The cells are maintained in a humidified atmosphere of 5% CO2 at 37°C.

Organism *Homo sapiens*

Tissue CHO

Disease FOLR1 (Folate Receptor 1)

Applications Antibody production (ADC)

Characteristics

Age 1-2 months

Gender Male

Morphology Epithelial

Cell type CHO

Growth properties Adherent

Identification

Citation CHO-FOLR1 (NCBI TaxID 10029) | 305416

Biosafety level 1

NCBI_TaxID 10029

CellosaurusAccession CVCL_A8W5

Product sheet

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GMO Status S1: CHO CHO-FOLR1

Receptors expressed

FOLR1 (FR α) FBP

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 5 $\frac{4}{1000}$

Fluid renewal 2 3

Post-Thaw Recovery 1:2 1:3 T25

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not allow the cells to reach room temperature.
2. Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 10 ml of pre-warmed complete medium.
3. Seed the cells into a T75 flask containing 50 ml of complete medium. The cell density should be approximately 1.5 x 10⁶ cells per flask.
4. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The medium should be replaced every 3-4 days.
5. Once the cells reach confluence (70-80%), they can be used for experiments or passaged.
6. For passaging, trypsinize the cells and seed them into a new flask at a density of 1.5 x 10⁶ cells per flask.
7. The cells should be maintained in complete medium with 10% FBS.
8. The cells should be tested for mycoplasma contamination regularly.

Incubation Atmosphere

37°C, 5% CO₂, humidified atmosphere

Flask Coating

Not required

Freezing Procedure

Cells should be frozen in a cryoprotective medium (e.g., 90% FBS, 10% DMSO) and stored at -196°C.

Shipping Conditions

Cells should be shipped on dry ice at -78°C.

Storage Conditions

Cells should be stored at -150°C to -196°C.

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Sterility

The cells are provided as a sterile suspension in complete medium. The medium is tested for mycoplasma contamination using PCR.