

CHO-FOLR1 | 305416

CHO-FOLR1

Description

CHO-FOLR1 is a CHO (Chinese Hamster Ovary) cell line expressing FOLR1 (Folate Receptor Alpha) and FBP (Folate Binding Protein). This cell line is used for the production of recombinant proteins, particularly those related to folate metabolism and receptor function. The cells are maintained in a defined medium and are suitable for large-scale protein production.

Organism CHO

Tissue CHO

CHO-FOLR1

Age CHO

Gender CHO

Morphology CHO

Growth properties CHO

CHO-FOLR1

Citation CHO-FOLR1 (CHO-FOLR1 Cytion 305416)

Biosafety level 1

NCBI_TaxID 10029

GMO Status GMO-S1: CHO CHO-FOLR1

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Receptors expressed FOLR1 (Folate Receptor Alpha); FBP

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CHO-FOLR1

Culture Medium
DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 820400a)
CHO Growth Medium A (β -InSCREENeX; InSCREENeX INS-ME-1039)

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

Dissociation Reagent
EDTA

Subculturing
PBS, 2-3 CO_2

Fluid renewal
2-3 times

Post-Thaw Recovery
1:2 to 1:3 T25 flasks, 24 hours

Freeze medium
FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath, transfer to a pre-warmed medium.
 2. Centrifuge at 300 x g for 3 minutes, wash with PBS.
 3. Resuspend in 10 ml of medium, seed into a 100 cm² flask.
 4. Seed into a 100 cm² flask at 70% confluency.
 5. Seed into a 15 cm² flask at 80% confluency.
 6. Seed into a 300 x g flask at 300 x g.
 7. Seed into a 10 cm² flask at 10 cm².
 8. Seed into a 10 cm² flask at 10 cm².

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Incubation Atmosphere 37°C, 5% CO₂, α -MEM, 10% FCS

Flask Coating CellTreat, CellTreat, CellTreat

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into 1ml vials, store at -78°C

Shipping Conditions Ship at -78°C

Storage Conditions Store at -150 to 196 K

CHO-FOLR1 / CHO-FOLR1 / HLA

Sterility Sterility testing: PCR, α -MEM, 10% FCS
Sterility testing: α -MEM, 10% FCS