

CHO-EPCAM | 305974

CHO-EPCAM

Description

CHO-EPCAM cells are a derivative of CHO cells expressing the human EPCAM (CD326) protein. These cells are used for the production of monoclonal antibodies against EPCAM. The cells are grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% horse serum (HS). The cells are maintained in a humidified atmosphere of 5% CO₂ at 37°C.

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Organism CHO

Tissue Epithelial

Disease EpCAM (CD326)

Applications EpCAM, ADCC/CDC

CHO-EPCAM

Age 1-3 months

Gender Male

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

CHO-EPCAM

Citation CHO-EPCAM (Cytion: 305974)

Biosafety level 1

NCBI_TaxID 10029

Product sheet

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CellosaurusAccession CVCL_D2TL

GMO Status GMO-S1: CHO CHO EpCAM

Receptors expressed EpCAM (CD326)

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 ⁴

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 cells quickly 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 pre-warmed medium.
3. Seed the cells into a pre-warmed medium in a 25 cm² flask at a density of 37,000 cells/cm².
4. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. The medium should be replaced every 70%.
5. Harvest the cells when they reach 80-90% confluency. Seed into a 15 cm² flask at a density of 8,000 cells/cm².
6. Harvest the cells when they reach 300 x 3 confluency. Seed into a 300 x 3 confluency.
7. Harvest the cells when they reach 10 x 10 confluency. Seed into a 10 x 10 confluency.
8. Harvest the cells when they reach 10 x 10 confluency. Seed into a 10 x 10 confluency.

Incubation Atmosphere 37 °C, 5% CO₂

Shipping Conditions -78 °C

Storage Conditions -150 °C to -196 °C

CHO-EPCAM / CHO-EPCAM / HLA

Sterility

CHO-EPCAM cells are tested for sterility by PCR.

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