

CHO-IL2RA | 305980

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Description

CHO-IL2RA (CHO) is a cell line derived from Chinese hamster ovary (CHO) cells. It is a stable transfectant of the IL2RA gene. The cells are used for the production of recombinant proteins, including antibodies and cytokines. The cells are grown in DMEM supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin. The cells are maintained at 37°C in 5% CO₂ atmosphere.

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Organism CHO

Tissue CHO

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Age CHO

Gender CHO

Morphology CHO

Growth properties CHO

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Citation CHO-IL2RA (CHO) Cytion: 305980

Biosafety level 1

NCBI_TaxID 10029

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Fluid renewal 2-3 times per week

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Post-Thaw Recovery

1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a pre-warmed medium (10% FBS, 10% DMSO) and centrifuge at 300 × g for 5 minutes. Resuspend cells in fresh medium (10% FBS, 10% DMSO) and seed into a T25 flask at a density of 1 × 10⁶ cells per flask.

Freeze medium

2. Prepare freeze medium by adding 10% DMSO to the culture medium (10% FBS).

Thawing and Culturing Cells

3. Seed cells into a T25 flask at a density of 1 × 10⁶ cells per flask.
4. Incubate cells in a humidified CO₂ incubator at 37°C for 24 hours.
5. Remove the medium and replace with fresh medium (10% FBS, 10% DMSO).
6. Harvest cells after 72 hours of culture. Seed cells into a T25 flask at a density of 1 × 10⁶ cells per flask.
7. Incubate cells in a humidified CO₂ incubator at 37°C for 24 hours.
8. Harvest cells after 72 hours of culture. Seed cells into a T25 flask at a density of 1 × 10⁶ cells per flask.

Shipping Conditions

9. Cells are shipped in a dry ice container at -78°C.

Storage Conditions

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

CHO-IL2RA / CHO-IL2RA / HLA

Sterility

11. Cells are tested for sterility using PCR.

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