

CHO-PDCD1 | 305973

CHO-PDCD1

Description	
CHO-PDCD1 is a CHO cell line expressing the human PD-1 (PDCD1) protein. The cells are derived from CHO cells and are stably transfected with the human PD-1 cDNA. The cells are used for the production of anti-PD-1 antibodies. CHO-PDCD1 cells are grown in DMEM/F12 medium supplemented with 10% FBS. The cells are maintained in a humidified atmosphere of 5% CO₂ at 37°C.	
Organism	CHO
Tissue	CHO
Disease	PD-1 (PDCD1/CD279)
Applications	Antibody production, cell-based assays, PD-1 research, T cell activation, immunotherapy
CHO-PDCD1	
Age	CHO
Gender	CHO
Morphology	CHO cells
Cell type	CHO cells
Growth properties	CHO cells
CHO-PDCD1	
Citation	CHO-PDCD1 (CHO cells) Cytion: 305973
Biosafety level	1
NCBI_TaxID	10029

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**Thawing and
Culturing Cells**

1. Remove the vial from liquid nitrogen storage, and immerse the vial in a water bath at 37°C for 1 minute. Remove the vial from the water bath and allow the cells to thaw completely.
2. Add 1 mL of complete medium to the vial, and mix gently. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant, and resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
4. Remove the cells from the flask, and count the cells. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
5. Remove the cells from the flask, and count the cells. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
6. Remove the cells from the flask, and count the cells. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
7. Remove the cells from the flask, and count the cells. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
8. Remove the cells from the flask, and count the cells. Seed the cells into a 25 cm² flask containing 10 mL of complete medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in dry ice, and should be stored at -80°C.

**Storage
Conditions**

Cells should be stored at -80°C for up to 196 days.

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Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for endotoxin contamination using a Limulus amoebocyte lysate (LAL) assay.