

**CHO | 603479**

**Product Information**

**Description**

CHO (CHO) cells are a widely used mammalian cell line for the production of recombinant proteins. They are derived from the Chinese hamster ovary (CHO) cells and are known for their ability to produce high yields of soluble and stable proteins. CHO cells are commonly used in biotechnology and pharmaceutical industries for the production of monoclonal antibodies, vaccines, and other therapeutic proteins. The CHO-K1 variant is a subclone of CHO cells that is particularly well-suited for the production of glycosylated proteins.

**Organism** *CHO*

**Tissue** CHO

**Applications** CHO cells are used for the production of recombinant proteins, monoclonal antibodies, and vaccines.

**Synonyms** CHO-K1, CHO-K1 CHO

**Cell Properties**

**Age** CHO

**Gender** CHO

**Morphology** CHO

**Growth properties** CHO

**Product Details**

**Citation** CHO (CHO) 603479

**Biosafety level** 1

**NCBI\_TaxID** 10029

**CellosaurusAccession** CVCL\_0213



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**Thawing and Culturing Cells**

1. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 10 mL of complete DMEM medium. Seed the cells into a T75 flask containing 50 mL of complete DMEM medium.
2. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C. Once the cells reach 70-80% confluency, passage them into a new T75 flask.
3. For long-term storage, harvest the cells into a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cell pellet in 1 mL of freezing medium and aliquot into 1 mL vials. Store at -150°C.
4. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cell pellet in 10 mL of complete DMEM medium and seed into a T75 flask.
5. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C. Once the cells reach 70-80% confluency, passage them into a new T75 flask.
6. For long-term storage, harvest the cells into a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cell pellet in 1 mL of freezing medium and aliquot into 1 mL vials. Store at -150°C.
7. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cell pellet in 10 mL of complete DMEM medium and seed into a T75 flask.
8. Incubate the cells in a humidified 5% CO<sub>2</sub> incubator at 37°C. Once the cells reach 70-80% confluency, passage them into a new T75 flask.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Freezing Procedure** Harvest cells into a 15 mL centrifuge tube and centrifuge at 300 x g for 5 minutes. Resuspend the cell pellet in 1 mL of freezing medium and aliquot into 1 mL vials. Store at -150°C.

**Shipping Conditions** Dry ice, -78°C

**Storage Conditions** -150°C to -196°C

CHO | HLA

**Sterility** Sterility testing: PCR