

Product Information

CP-CHO Medium

Protein-free CHO Medium with 6 mM L-Glutamine, with Ferric Citrate, with HEPES, with Pluronic™

Cat. No. CP-CHO-S-500ML (500 ml)

General Information

CP-CHO Medium is a chemically defined medium to cultivate CHO cells under serum free conditions. The medium is developed to support growth in perfusion culture. Some components, such as yeast extract are added to enrich the medium for maximum performance.

The medium is free of animal components.

Applications:

- For CHO-S, CHO-K1 and CHO-DG44 cells
- For perfusion culture of CHO cells

Product Specifications

Appearance	Clear, light yellow liquid
Specifications	<ul style="list-style-type: none">• Serum-Free• Animal Origin-Free• Human Origin-Free
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at +4°C and use within 6-8 weeks.
Shipping conditions	Ambient
Concentrations	1 x
Buffer system	<ul style="list-style-type: none">• NaHCO₃ (2.0 g/L) for 5% CO₂ Atmosphere• HEPES

Suggestion for Use

The following components may optionally be added for improved performance:

- 5 mg/l recombinant Insulin (Cat.No. INS-K)

Instructions for Use

Adaptation:

For cells grown in serum supplemented medium or other serum-free medium little or no adaptation is needed and may be directly transferred to CP-CHO. It is advisable to keep a backup culture in the original media until cells have adapted. If suboptimal growth is observed, after direct adaptation for 3–5 passages, use the sequential adaptation method.

Sequential adaptation:

1. Subculture cells into a 25:75 ratio of supplemented CP-CHO to the original media. During the adaptation procedure seed at twice the normal seeding density.

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2. Subculture cells when confluency reaches 70–90%. Subculture the cells in fresh pre-warmed 25:75 ratio of supplemented CP-CHO to the original media. Once consistent cell growth with high viability has been achieved, passage cells into a 50:50 ratio of supplemented CP-CHO to original medium.
3. Repeat step 2 of this procedure, stepwise increasing the ratio of CP-CHO to original medium (75:25 followed by 90:10) until the cells are subcultured into 100% CP-CHO. Multiple passages at each step may be needed.
4. Continue to monitor and passage cells until consistent growth with high viability is achieved. After several passages in 100% CP-CHO, the culture is considered to be adapted.

Formulation

This formulation is our proprietary composition and has no counterparts either in its composition, or in its action.

Precautions and Disclaimer

This product is for research use and further manufacturing only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).

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