

ClonaCell™-CHO ACF Supplement



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Animal component-free, serum-free, glutamine-free 40X supplement for cloning during CHO cell line development

Catalog # 03820

2.5 mL

Product Description

ClonaCell™-CHO ACF Supplement is a serum-free and animal component-free supplement that is added to protein-free media in order to increase cloning efficiency and promote robust growth of CHO cells. The 40X supplement can be added to a variety of protein-free liquid or semi-solid cell culture media to increase the growth and single-cell cloning efficiency of suspension-adapted CHO cells. The supplement contains recombinant proteins and phenol red, and does not contain animal components, serum, hydrolysates, L-glutamine, or selection agents.

- Significantly increases single-cell cloning efficiency of CHO cells in protein-free liquid or semi-solid media
- Compatible with a wide variety of commercially available liquid or semi-solid protein-free media
- Allows the user to maintain existing upstream and downstream cell culture processes

Properties

Storage: Store at 2 - 8°C.

Shelf Life: Stable until expiry date (EXP) on label.

Contains: • Recombinant proteins, phenol red, and chemically defined components

Product is sensitive to light and should be kept in the dark whenever possible. Precipitate may be observed over time; this will not affect performance. If desired, precipitates may be removed by a brief centrifugation or filtration of the supplement prior to use. Lot-to-lot color variations may range from orange to pink; this will not affect performance.

Handling / Directions For Use

SUPPLEMENTATION OF LIQUID/SEMI-SOLID MEDIUM

1. Mix ClonaCell™-CHO ACF Supplement by inverting the tube several times.
2. Add selective agents and/or other compounds (e.g. L-Glutamine, Catalog #07100; G418, Catalog #03812) to a protein-free CHO cell culture medium (e.g. ClonaCell™-CHO CD Liquid Medium, Catalog #03817 or semi-solid ClonaCell™-CHO CD Medium, Catalog #03815).
3. Add ClonaCell™-CHO ACF Supplement at a 1 in 40 dilution to the medium.

For example, add 2.5 mL of ClonaCell™-CHO ACF Supplement to 97.5 mL of protein-free CHO cell culture medium.

NOTE: Dilutions other than 1 in 40 may be used. A titration of the supplement may be required to determine the optimal dilution for specific cells and applications.

References

Neumann G. (2016) Downstream process development and preliminary formulation development for the bispecific antibody NF-CU N297Q for a clinical phase I/IIa trial. Dissertation, University of Tübingen.

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