



IrvineScientific
Grow With Us™

IS CHO FEED-CD™

Chemically-Defined Feed Medium for CHO Cells

IS CHO FEED-CD is a chemically-defined feed medium specifically designed for fed-batch CHO cultures.

This product is designed to sustain and extend the life of CHO cultures by replenishing nutrients such as amino acids and vitamins utilized during cell culture. IS CHO FEED-CD has been developed with components which are chemically-defined and non-animal in origin, and is designed to meet the different nutritional requirements of commonly used CHO cell lines.

This product is available as a liquid in 500mL packaging. Other packaging sizes and configurations are available. It has a shelf life of one (1) year when stored at 2-8° C and protected from light.

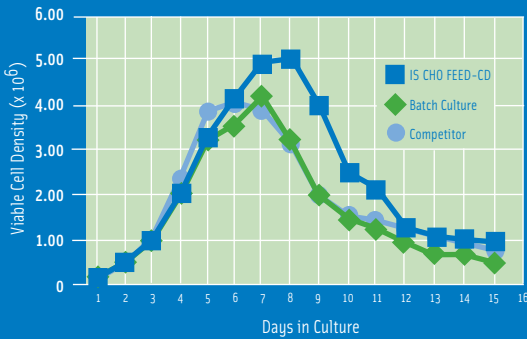


Figure 1. Results showed increased cell growth in CHO culture supplemented with IS CHO FEED-CD over both batch culture alone and batch culture supplemented with a competitive bioreactor feed.

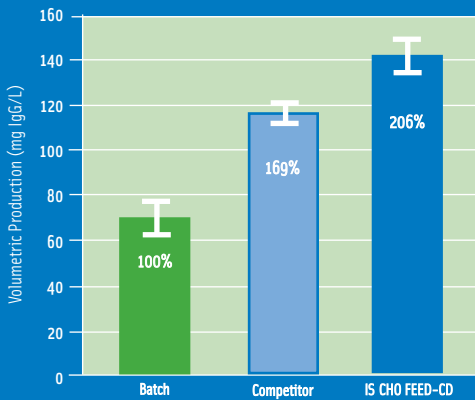


Figure 2. Highest increase in volumetric production of a recombinant antibody was seen in IS CHO FEED-CD when compared to both batch culture alone and batch culture supplemented with a competitive bioreactor feed.

Performance

Cells in fed-batch culture supplemented with IS CHO FEED-CD showed increased growth over both batch culture alone and batch culture supplemented with a competitive bioreactor feed (Figure 1). IS CHO FEED-CD also gave the highest increase in volumetric production when compared to batch culture alone and batch culture supplemented with a competitive feed using recombinant CHO cells (Figure 2).

Features and Benefits

- Replenishes nutrients required to extend the life of CHO cultures.
- Highly concentrated to minimize dilution effects.
- Low salt to minimize effects of high osmolality.
- Supports high recombinant protein production.
- Produced with Irvine Scientific's WFI Grade Water to assure product purity.
- Components are chemically-defined and non-animal in origin.

Catalog Number 91108-500mL: IS CHO FEED-CD

The Final Conclusion

CHO cell cultures supplemented with IS CHO FEED-CD showed significantly better results for both cell growth and productivity when compared to batch culture alone as well as batch culture supplemented with a competitive bioreactor feed supplement.

Partnering

IS CHO FEED-CD has been optimized for the cell lines we have used. Your cells and application may differ to varying degrees. This feed medium may be tailored to meet the specific requirements of individual customers. Whether your efforts are focused on optimizing yields, improving product quality or addressing regulatory concerns, Irvine Scientific has the answers to your specific requirements.

For more information on any of our Industrial Cell Culture products, call 1 800 437 5706 and request that your Territory Manager contact you. Visit our website at www.irvinesci.com or e-mail us at nucleus@irvinesci.com.

Note: Always refer to the product insert for complete instructions for use.

Irvine Scientific

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