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# IS CHO FEED-CD™ FEED MEDIUM

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Catalog No. 91108

500 mL Liquid

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## INTENDED USE

IS CHO FEED-CD™ is intended for further manufacturing use as a culture feeding media for producing recombinant proteins in high-fed-batch Chinese Hamster Ovary (CHO) cell cultures.

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## QUALITY ASSURANCE

All Quality Control test results are reported on a lot specific Certificate of Analysis which is available upon request.

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## FORMULA

IS CHO FEED-CD medium is a concentrated supplement for fed-batch cultures. It is provided without L-Glutamine to allow the use of L-Glutamine feeding strategies. The medium contains 40 g/L Glucose. IS CHO FEED-CD is animal component free and contains no hydrolysates or undefined components. The medium contains no antibiotics or anitmycotics.

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## STORAGE INSTRUCTIONS AND STABILITY

Handle using aseptic techniques to avoid contamination.

Store at 2-8°C, away from light.

Do not use after the assigned expiration date.

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## PRECAUTIONS AND WARNINGS

Do not use any bottle of medium which shows evidence of particulate matter or cloudiness.

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## DIRECTIONS FOR USE

IS CHO FEED-CD is intended for use in fed-batch cultures as a feed supplement for either IS CHO-CD or IS CHO-CD4 media. A basic fed-batch strategy is provided here. Process development to determine optimal feeding volumes and timing should be conducted to maximize cell growth and production for a specific cell line and process. Other materials may be added to the feed supplement including hydrolysates for increased performance.

### Basic Feed Strategy:

1. Determine total working volume (w/v) of culture.
2. Inoculate the cells in IS CHO-CD or IS CHO-CD4 medium at  $\leq 90\%$  of the total w/v.
3. On culture days 2 through 6, feed 2% of the total w/v with IS CHO FEED-CD (for a total of 10% w/v).

### 2 L Bench Scale Bioreactor Example:

1. Total working volume equals 1 L.
2. Inoculate cells in 900 mL IS CHO-CD.
3. On culture days 2 through 6, feed 20 mL/day with IS CHO FEED-CD.

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## ALSO AVAILABLE FROM IRVINE SCIENTIFIC

**IS CHO-CD™**

**Catalog No. 91119**

**IS CHO-CD4™**

**Catalog No. 91100**

IS CHO-CD and IS CHO-CD4 media are chemically defined and free of animal-origin components.



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