Product Information

1.02488 Cellvento™ Feed-210 Chemically defined cell culture feed

Product description

Cellvento™ Feed-210 is a chemically defined feed formulation containing only components of non-animal origin. The product is intended for use in the development and manufacturing of biotherapeutics in Chinese Hamster Ovary (CHO) cell-based expression systems.

Cellvento™ Feed-210 contains concentrated amino acids, vitamins, salts, and trace elements and is supplied in dry powder format.

Application

Cellvento™ Feed-210 has been designed to support optimal cell growth and performance of DHFR-negative CHO suspension cell types, primarily recombinant CHO-DG44 cell lines, but may be suitable for use with other CHO cell lines. It is intended for use as a companion feed supplement with the production medium Cellvento™ CHO-210 in fed-batch manufacturing processes.

This product is intended for research or further manufacturing but not for human or therapeutic use.

Reconstitution method to generate 5 L Cellvento™ Feed-210

1. Slowly add 408 grams of powder to 4 L of Milli-Q® or similar cell culture grade water in an appropriately sized container. Rinse feed container as necessary to remove remaining powder.
2. Vigorously mix for 45–60 minutes until fully dissolved.
3. Add cell culture grade water to reach a final volume of 5 L. Confirm final pH of 5.2–5.8.
4. Measure the osmolality of the solution. Final osmolality should be 658 +/– 30 mOsmol/kg. Sterilize by membrane filtration using a 0.22 µm Millipore Express® PLUS or Durapore® membrane filter (bottle cap or capsule filter).
5. Store at 2–8 °C protected from light. Reconstituted liquid Cellvento™ Feed-210 is stable for 90 days. When a bottle is opened, liquid feed is stable for max. 2 weeks.

Storage

Dry powder should be stored at 2–8 °C protected from light. Do not use after expiration date.

Shelf life

12 months

Ordering information for companion Cellvento™ Feed-210

Catalog number	Product name	Pkg. size	Equivalent
1.02488.0005	Cellvento™ Feed-210 Chemically defined cell culture feed	408 g	5 liters
1.02488.0050	Cellvento™ Feed-210 Chemically defined cell culture feed	4.080 kg	50 liters

Ordering information for Cellvento™ CHO-210 medium

Catalog number	Product name	Pkg. size	Equivalent
1.02485.0010	Cellvento™ CHO-210 Chemically defined cell culture medium	231.3 g	10 liters
1.02485.0100	Cellvento™ CHO-210 Chemically defined cell culture medium	2.313 kg	100 liters

Ordering information for cell culture additives

Catalog number	Product name	Pkg. size
1.00286.1000	L-Glutamine suitable for use as excipient EMPROVE® exp DAB, USP	1 kg
1.37013.2500	Sodium hydrogen carbonate suitable for the biopharmaceutical production EMPROVE® bio Ph Eur, BP, USP, JP	2.5 kg
Available on request	HT Supplement (50 ×)	100 mL
1.02735.0100	L-Cysteine hydrochloride monohydrate suitable for use as excipient EMPROVE® exp Ph Eur, USP	100 g
1.02413.0100	L-Tyrosine disodium salt dihydrate for cell culture media	100 g
1.02415.0400	D(+)-Glucose anhydrous for cell culture media	400 g

Ordering information for aseptic filters

Catalog number	Product name	Pkg. size
GPWP02500	Millipore Express® PLUS Membrane, 0.22 µm, 25 mm	100
GVWP02500	Durapore® Membrane, 0.22 µm, 25 mm	100

To find out more about Cellvento™ CHO media platform products, visit **www.merckmillipore.com/cellvento**

For more information and documentation please contact:

Phone: +49 6151 72-0
E-mail: pcs.salessupportEU@merckgroup.com

Merck Millipore
Merck KGaA
Frankfurter Str. 250
64293 Darmstadt, Germany

www.merckmillipore.com

The typical technical data above serve to generally characterize the cell culture media in industry-relevant expression systems. The product information is available separately from the website www.merckmillipore.com

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