Eminence
埃美益

Integrated Solutions for Custom Cell Culture Media

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About Us

Eminence stands at the forefront of cell culture media research, development, and production. We are dedicated to providing customized, chemically defined media for a variety of cell lines, including CHO cells and 293 cells.

Our manufacturing facility, covering an area of 7000㎡, operates under the stringent guidelines of Good Manufacturing Practice (GMP). This unwavering commitment to quality control ensures that our products consistently uphold the highest standards.

We employ cutting-edge Pin-Milling technology, which facilitates an annual production capacity of 500 tons for cell culture media. This capability allows us to reliably supply high-quality products in flexible batch sizes ranging from 3kg to 2000kg, catering to the diverse needs of our clients.

Our team, composed of highly skilled professionals, has successfully developed specialized media products for various cell lines, including CHO-K1, CHO-S, CHO-DG44, HEK 293, and BHK cells.

In addition to our product offerings, we provide a comprehensive suite of custom services. These include medium formulation development/optimization and media production, all tailored to meet the unique requirements of our customers.

EMINENCE

Expertise Evolution Excellence

Our Esteemed Values

Eminence

At Eminence, we embody more than just a name; we represent a symbol of high expectations and unwavering commitments that reflect our core values. Our three key pillars, all beginning with the letter 'E', embody our dedication to capturing the essence of '**Eminence**':

Each step of our journey echoes with a shared vision to exemplify the true essence of 'Eminence' in all our endeavors. We remain faithful to our name, raising expectations, enhancing our offerings, and constantly surpassing industry standards.

Evolution

Leveraging our strong R&D capabilities, we drive the application of cutting-edge advancements in science and technology within the life science sector. We perceive every advancement in our field as an opportunity to redefine benchmarks and deliver extraordinary results.

Excellence

The essence of 'Eminence' lies in our relentless pursuit of unparalleled quality and performance in everything we do. We consistently strive for excellence, ultimately enhancing the well-being of all.

Expertise

Our extensive knowledge and experience are dedicated to crafting customized solutions that meet the unique needs of our clients. We strive to enrich their operations, providing them with a competitive edge in an ever-evolving market.

Our Products & Services

- EmCD CHO® 121 Basal Medium
- EmCD CHO® 121 Feed
- EmCD CHO® 101 Basal Medium
- EmCD CHO® 101 Feed
- EmCD CHO® 104 Basal Medium
- EmCD CHO® 118 Feed
- EmCD CHO-S 203 Medium
- EmACF CHO 203 Feed
- EmACF CHO 212 Cloning Medium
- EmCD CHO® 906 Perfusion Medium
- EmCD HEK293 Plus Medium
- EmCD HEK293 Plus Feed
- EmCD Supplement 1
- EmACF BHK 300 Medium
- Classical Medium-Liquid
- Classical Medium-Powder
- Em CHO-K1 Cells
- Media Formulation Development
- Custom Media Manufacturing
- Stable Cell Line Development

EmCD CHO® 121 Basal Medium

Catalog No.	Product Name	Appearance	Volume
L10700.1000	EmCD CHO® 121 Basal Medium	Liquid	1L
P10700.0010	EmCD CHO® 121 Basal Medium	Powder	10L
P10700.0100	EmCD CHO® 121 Basal Medium	Powder	100L
P10700.0500	EmCD CHO® 121 Basal Medium	Powder	500L

Description

EmCD CHO® 121 Basal Medium is precisely formulated to tackle the challenges of scaling up CHO-S cells in bioreactors, ensuring the highest quality and expression. This medium has also been shown to significantly improve protein expression in CHO-K1 cells as well in fed-batch process. This chemically defined products, devoid of protein and animal-origin components, guarantee high productivity and consistent performance, and simplify transfer to large-scale manufacturing.

Use EmCD CHO® 121 Basal Medium

When addressing rapid cell death, declining cell density, or low expression in the fed-batch process scale-up of CHO-S cell lines.
Seeking a platform medium adaptable to various CHO cell subtypes for growth and expression.

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-S,CHO-K1, CHOZN, CHO-DG44
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	1L, 10L, 100L, 500L

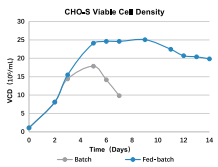
Components

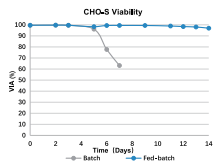
Animal-component free
Protein free
Growth-factors free
Glutamine free

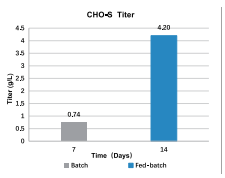
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

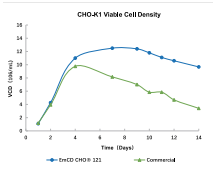
Data Chart



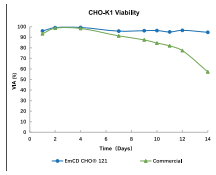




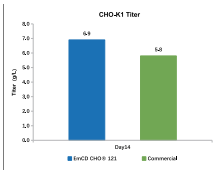
Utilizing the EmCD CHO® 121 Basal Medium in conjunction with the EmCD CHO® 121 Feed for fed-batch cultures of CHO-S cell lines leads to a significant enhancement in cell conditions compared to batch cultures that solely add glucose. The highest live cell density reaches 25×10^6 cells/mL, with a viability rate exceeding 90% on Day 14, and a product expression that increases by 4.7 times



Utilizing the EmCD CHO® 121 Basal Medium in conjunction with the EmCD CHO® 121 Feed for fed-batch cultures of CHO-K1 cell lines has better growth curve to that of commercialized media



The cell viability maintained in fed-batch culture process with the EmCD CHO® 121 series medium is superior to that of commercialized media, with the viability in Day 14 higher than 90%



By Day 14, The Titer of EmCD CHO® 121 series culture medium in fed-batch culture process of CHO-K1 cells is 19% higher than the leading international media, reaching 6.9g/L

Scan QR code for more information

EmCD CHO® 121 Feed

Catalog No.	Product Name	Appearance	Volume
P10710.0001	EmCD CHO® 121 Feed A	Powder	1L
P10710.0010	EmCD CHO® 121 Feed A	Powder	10L
P10710.0050	EmCD CHO® 121 Feed A	Powder	50L
P10710.12kg	EmCD CHO® 121 Feed A	Powder	12kg
P10711.0001	EmCD CHO® 121 Feed B	Powder	1L
P10711.0005	EmCD CHO® 121 Feed B	Powder	5L
P10711.0020	EmCD CHO® 121 Feed B	Powder	20L
P10711.6kg	EmCD CHO® 121 Feed B	Powder	6kg

Description

EmCD CHO® 121 Feeds are precisely formulated to tackle the challenges of scaling up CHO-S cells in bioreactors, ensuring the highest quality and expression. These medium have also been shown to significantly improve protein expression in CHO-K1 cells as well in fed-batch process. These chemically defined products, devoid of protein and animal-origin components, guarantee high productivity and consistent performance, and simplify transfer to large-scale manufacturing.

Use EmCD CHO® 121 Feed

When addressing rapid cell death, declining cell density, or low expression in the fed-batch process scale-up of CHO-S cell lines.
Seeking a platform medium adaptable to various CHO cell subtypes for growth and expression.

Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

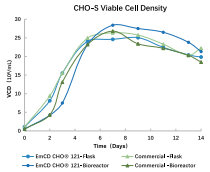
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Retest Date of Powder Product: 18 Months

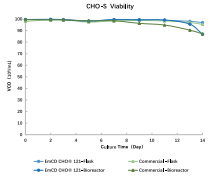
Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-S, CHO-K1, CHO-DG44, CHOZN
Appearance:	Powder
Packaging:	Barrel
Specification:	Feed A: 1L, 10L, 50L, 12kg Feed B: 1L, 5L, 20L, 6kg

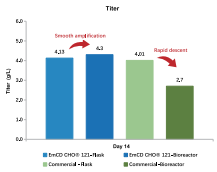
Data Chart



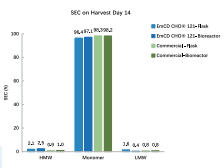
The cell growth in shake flasks and reactors using the EmCD CHO® 121 series medium is comparable to that achieved with commercialized media, with the peak live cell density reaching 28.4×10^6 cells/mL



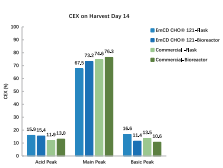
The cell viability maintained in shake flasks and reactors with the EmCD CHO® 121 series medium is superior to that of commercialized media



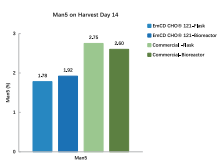
In comparison to leading international commercial media, the EmCD CHO® 121 series medium demonstrates consistent yields during the scale-up process of CHO-S cells from shake flasks to reactors. In contrast, the yield from commercial media in reactor processes decreases by 33%



The key quality attribute SEC of products from the EmCD CHO® 121 series medium is also comparable to commercialized media, with a dominant peak reaching up to 97%, and minimal fragments and aggregates (less than 3%)



The key quality attribute CEX of products from the EmCD CHO® 121 series medium is on par with commercialized media, showcasing a lower acidic peak (less than 20%) and a higher neutral peak (over 70%)



The mannose content (Man5) in the EmCD CHO® 121 series medium in shake flasks and reactors is less than 2%, which is lower than that of leading international commercial media

Scan QR code for more information

EmCD CHO® 101 Basal Medium

Catalog No.	Product Name	Appearance	Volume
L10100.1000	EmCD CHO® 101 Basal Medium	Liquid	1L
P10100.0010	EmCD CHO® 101 Basal Medium	Powder	10L
P10100.0100	EmCD CHO® 101 Basal Medium	Powder	100L
P10100.0500	EmCD CHO® 101 Basal Medium	Powder	500L

Description

EmCD CHO® 101 Basal Medium is precisely tailored for a range of CHO cell lines, notably CHO-K1, CHOZN, CHO-S, and CHO-DG44. This formulation, distinguished by its chemically defined composition, is devoid of proteins, serum, and animal-origin constituents, reflecting the zenith of quality, compliance, and performance.

Use EmCD CHO® 101 Basal Medium

When exploring diverse CHO cell lines and aiming for optimal fed-batch cultivation.

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHOZN, CHO-K1, CHO-S, CHO-DG44
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	1L, 10L, 100L, 500L

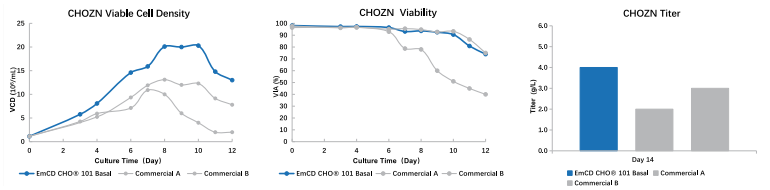
Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

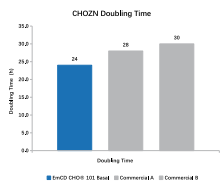
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

Data Chart

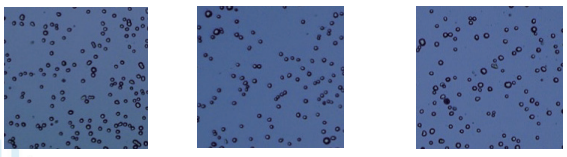


By Day 14, in comparison to leading international commercial media, utilizing the EmCD CHO® 101 Basal Medium in conjunction with the EmCD CHO® 101 Feed have a suitable cell density, slowly decreased viability, and improved mAb productivity in fed-batch culture process of CHO-K1 cell lines



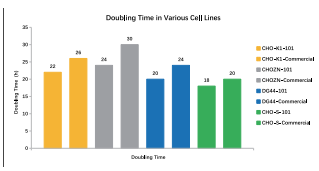
CHOZN cell line adaptated in EmCD CHO® 101 basal medium shows faster cell growth rate, which will save the time for cell expansion.

Cell Morphology



EmCD CHO® 101 | Commercial A | Commercial B

CHO cells grown in other serum-free medium can be directly adapted to 100% EmCD CHO® 101 Basal Medium. Usually consistent growth can be achieved after 1-2 passages. The cells are uniform in size and grow well in EmCD CHO® 101 Basal Medium



The doubling time of EmCD CHO® 101 Basal Medium in different kinds of CHO cells was smaller than that of commercial medium, which met the demand of rapid expansion in the early stage of production

Scan QR code for more information

EmCD CHO® 101 Feed

Catalog No.	Product Name	Appearance	Volume
P10112.0001	EmCD CHO® 101 Feed A	Powder	1L
P10112.0010	EmCD CHO® 101 Feed A	Powder	10L
P10112.0050	EmCD CHO® 101 Feed A	Powder	50L
P10112.12kg	EmCD CHO® 101 Feed A	Powder	12kg
P10114.0001	EmCD CHO® 101 Feed B	Powder	1L
P10114.0005	EmCD CHO® 101 Feed B	Powder	5L
P10114.0020	EmCD CHO® 101 Feed B	Powder	20L
P10114.6kg	EmCD CHO® 101 Feed B	Powder	6kg

Description

EmCD CHO® 101 Feed, a meticulous advance in cell culture supplements, is specially tailored for a range of CHO cell lines, including CHO-K1, CHOZN, CHO-S, and CHO-DG44. This formulation, marked by its chemically defined nature, is devoid of proteins, serum, and animal-derived ingredients, ensuring the utmost in quality, compliance, and operational efficiency.

Use EmCD CHO® 101 Feed

When exploring diverse CHO cell lines and aiming for optimal fed-batch cultivation.

Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

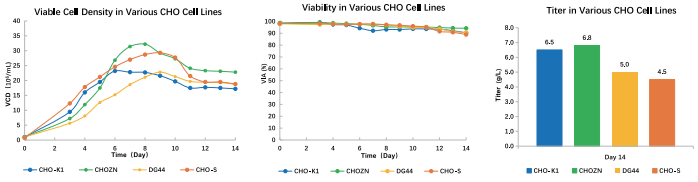
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Retest Date of Powder Product: 18 Months

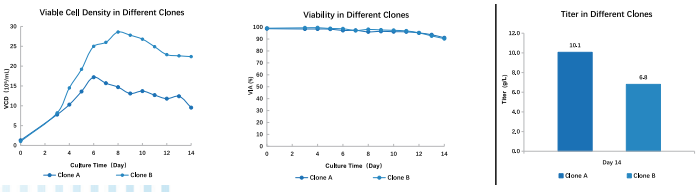
Specifications

Type:	Chemically Defined Medium
Cell Line:	CHOZN, CHO-K1, CHO-S, CHO-DG44
Appearance:	Powder
Packaging:	Barrel
Specification:	FeedA: 1L, 10L, 50L, 12kg FeedB: 1L, 5L, 20L, 6kg

Data Chart



EmCD CHO® 101 Basal Medium paired with EmCD CHO® 101 Feed has excellent universality and supports the growth and efficient expression of various CHO cell lines, including CHO-K1, CHOZN, CHO-DG44, CHO-S, etc



EmCD CHO® 101 Basal Medium paired with EmCD CHO® 101 Feed an satisfy the growth and expression of different subclones of the same host cell origin

Scan QR code for more information

EmCD CHO® 104 Basal Medium

Catalog No.	Product Name	Appearance	Volume
L10400.1000	EmCD CHO® 104 Basal Medium	Liquid	1L
P10400.0010	EmCD CHO® 104 Basal Medium	Powder	10L
P10400.0100	EmCD CHO® 104 Basal Medium	Powder	100L
P10400.0500	EmCD CHO® 104 Basal Medium	Powder	500L
L10401.1000	EmCD CHO® 104 Basal Medium	Liquid	1L
P10401.0010	EmCD CHO® 104 Basal Medium	Powder	10L
P10401.0100	EmCD CHO® 104 Basal Medium	Powder	100L
P10401.0500	EmCD CHO® 104 Basal Medium	Powder	500L

Description

EmCD CHO® 104 Basal Medium is specifically designed for a spectrum of CHO cell lines, notably CHO-K1, CHO-S, and CHO-DG44. This formulation, characterized by its chemically defined composition, is absence of proteins, serum, and animal-origin constituents, upholds the pinnacle of quality, compliance, and performance.

Use EmCD CHO® 104 Basal Medium

When navigating through various CHO cell lines and targeting optimal fed-batch cultivation.

Components

Animal-component free
Protein free
Growth-factors free
Glutamine free
L10401 & P10401: HT (+)

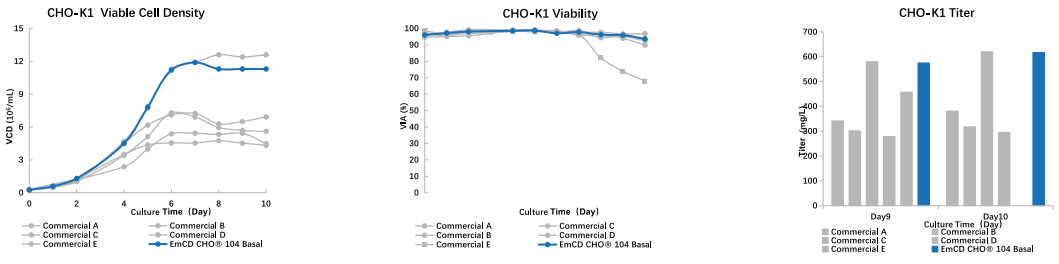
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-K1, CHO-S, CHO-DG44
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	1L, 10L, 100L, 500L

Data Chart



The batch culture growth and expression of CHO-K1 cells using EmCD CHO® 104 Basal Medium are comparable to most commercial culture media

Scan QR code for more information

EmCD CHO® 118 Feed

Catalog No.	Product Name	Appearance	Volume
P11810.0001	EmCD CHO® 118 Feed A	Powder	1L
P11810.0010	EmCD CHO® 118 Feed A	Powder	10L
P11810.0050	EmCD CHO® 118 Feed A	Powder	50L
P11810.12kg	EmCD CHO® 118 Feed A	Powder	12kg
P11811.0001	EmCD CHO® 118 Feed B	Powder	1L
P11811.0005	EmCD CHO® 118 Feed B	Powder	5L
P11811.0020	EmCD CHO® 118 Feed B	Powder	20L
P11811.6kg	EmCD CHO® 118 Feed B	Powder	6kg

Description

EmCD CHO® 118 Feed, a cell culture supplement, is crafted for a range of CHO cell lines, notably CHO-K1, CHO-S, and CHO-DG44. This supplement, marked by its chemically defined composition, is free of proteins, serum, and animal-origin components, establishing a new standard for quality, compliance, and performance.

Use EmCD CHO® 118 Feed

When exploring a variety of CHO cell lines and aiming for the best in fed-batch cultivation.

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-S, CHO-K1, CHO-DG44
Appearance:	Powder
Packaging:	Barrel
Specification:	FeedA: 1L, 10L, 50L, 12kg FeedB: 1L, 5L, 20L, 6kg

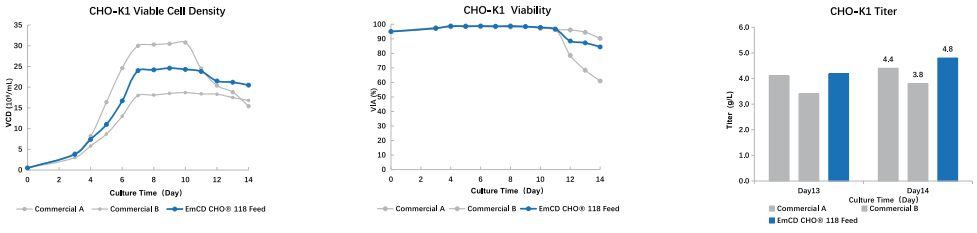
Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Dateof Powder Product: 24 Months

Data Chart



The growth of CHO-K1 cells cultured on EmCD CHO® 104 Basal Medium and EmCD CHO® 118 Feed was comparable to commercial medium. The yield of 4.8g/L on Day14 is better than commercial culture medium

Scan QR code for more information

EmCD CHO-S 203 Medium

Catalog No.	Product Name	Appearance	Volume
L20300.1000	EmCD CHO-S 203 Medium	Liquid	1L
P20300.0010	EmCD CHO-S 203 Medium	Powder	10L
P20300.0100	EmCD CHO-S 203 Medium	Powder	100L
P20300.0500	EmCD CHO-S 203 Medium	Powder	500L

Description

EmCD CHO-S 203 Medium is tailored for specific CHO cells, prominently ExpiCHO-S and CHO-K1. This formula, defined by its precise chemical composition, lacks proteins, serum, and components of animal origin, standing as a beacon of quality, reliability, and efficiency.

Use EmCD CHO-S 203 Medium

When transitioning between different cell culture media and aiming to minimize acclimatization periods.
When aiming for high-density transient transfection in ExpiCHO-S and CHO-K1 cells.

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-S (ExpiCHO-S), CHO-K1
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	1L, 10L, 100L, 500L

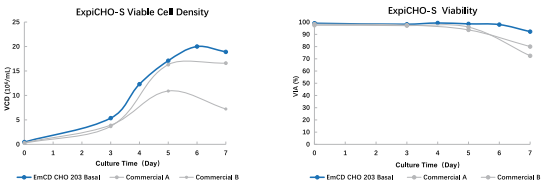
Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

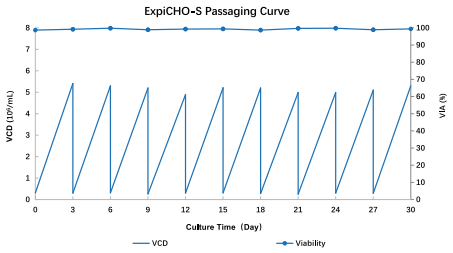
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

Data Chart

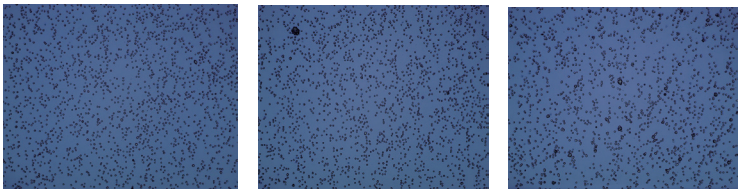


The batch culture growth of ExpiCHO-S cells using EmCD CHO 203 Basal Medium was significantly better than commercial media, with a maximum live cell density of 25 × 10^6 cells/mL, with cell viability＞90% on Day7



ExpiCHO-S cells showed stable passage in EmCD CHO 203 Basal Medium, with a doubling time of approximately 17 hours

Cell Morphology



EmCD CHO 203 Basal　Commercial A　Commercial B

ExpiCHO-S cells passaged in EmCD CHO 203 Basal Medium, uniformly sized and without clumping

Scan QR code for more information

EmACF CHO 203 Feed

Catalog No.	Product Name	Appearance	Volume
L20310.0500	EmACF CHO 203 Feed	Liquid	0.5L
P20310.0001	EmACF CHO 203 Feed	Powder	1L
P20310.0005	EmACF CHO 203 Feed	Powder	5L
P20310.0010	EmACF CHO 203 Feed	Powder	10L

Description

EmACF CHO 203 Feed is precisely tailored for a range of proteins, notably monoclonal, bispecific, and recombinant proteins. This nutrient supplement, characterized by its plant-derived hydrolysates, is devoid of proteins, serum, and animal-origin components, ensuring the apex of ethical standards and peak protein expression.

Use EmACF CHO 203 Feed

When working with various CHO cell lines and targeting optimal transient transfection.

Specifications

Type:	Serum free medium
Cell Line:	CHO-S (ExpiCHO-S), CHO-K1
Appearance:	Liquid/Powde
Packaging:	Bottel/Barrel
Specification:	0.5L,1L,5L,10L

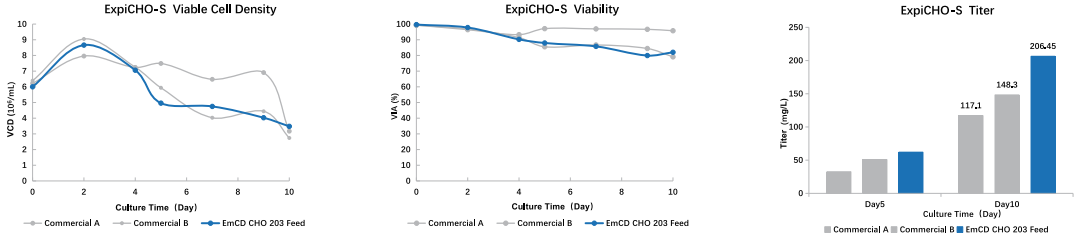
Components

Animal-component free
Growth-factors free
Glutamine free

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Retest Date of Powder Product: 18 Months

Data Chart



The growth of ExpiCHO-S cells cultured with EmCD CHO 203 Basal Medium and EmACF CHO 203 Feed after transient transfection was comparable to commercial media, with a yield of 206mg/L on Day10 significantly better than leading international and domestic commercial media

Scan QR code for more information

EmACF CHO 212 Cloning Medium

Catalog No.	Product Name	Appearance	Volume
L21200.0500	EmACF CHO 212 Cloning Medium	Liquid	0.5L

Description

EmACF CHO 212 Cloning Medium is meticulously crafted for an array of CHO cell lines, including CHO-K1, CHOZN, CHO-S, and CHO-DG44. This formulation, marked by its incorporation of plant-derived hydrolysates and being devoid of serum and animal-origin components, sets the gold standard in quality, compliance, and performance.

Use EmACF CHO 212 Cloning Medium

When undertaking various CHO cell line developments and aiming for the best clonal selection.

Specifications

Type:	Serum free medium
Cell Line:	CHOZN, CHO-K1, CHO-S, CHO-DG44
Appearance:	Liquid
Packaging:	Bottle
Specification:	0.5L

Components

Animal-component free
Growth-factors free

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months

Data Chart

Medium	Cloning Rate (%)	Top Cloning Cell Titer (g/L)
Commercial Cloning Medium	27	1.44
EmACF CHO 212 Cloning Medium	30	2.77

EmACF CHO 212 Cloning Medium demonstrates the power to significantly improve cell growth and productivity

Scan QR code for more information

EmCD CHO® 906 Perfusion Medium

Catalog No.	Product Name	Appearance	Volume
P22200.0010	EmCD CHO® 906 Perfusion Medium	Powder	10L
P22200.0100	EmCD CHO® 906 Perfusion Medium	Powder	100L
P22200.12kg	EmCD CHO® 906 Perfusion Medium	Powder	12kg

Description

EmCD CHO® 906 Perfusion Medium is specifically designed for a range of CHO cell lines, including CHO-K1, CHO-S, and CHO-DG44. This composition, distinguished by its chemically defined nature, is free of proteins, serum, and animal-origin ingredients, embodying the zenith of quality, compliance, and performance.

Use EmCD CHO® 906 Perfusion Medium

When exploring a variety of CHO cell lines and aiming for peak perfusion culture production.

Specifications

Type:	Chemically Defined Medium
Cell Line:	CHO-K1, CHO-S, CHO-DG44
Appearance:	Powder
Packaging:	Barrel
Specification:	10L, 100L, 12kg

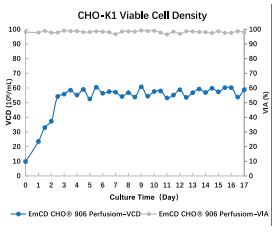
Components

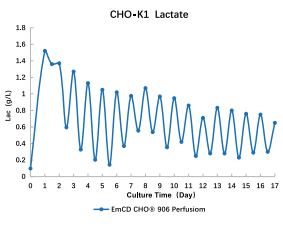
Animal-component free
Protein free
Growth-factors free
Glutamine free

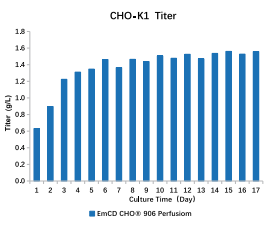
Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Retest Date of Powder Product: 18 Months

Data Chart







EmCD CHO® 906 Perfusion Medium can support stable high-density cell growth and expression under CHO cell perfusion culture process, with cell density reaching 60-80× 10^6 cells/mL

Sample Name	SEC			CEX		
	HMW%	Monomer%	LMW%	Acid%	Main%	Alkali%
D3	5.76	94.24	0	13.09	66.76	20.16
D6	4.58	95.42	0	12.41	67.86	19.71
D9	4.97	95.03	0	12.59	67.42	19.99
D12	5.05	94.95	0	12.65	68.11	19.24
D15	4.6	95.4	0	12.41	68.73	18.83
D17	4.74	95.26	0	11.8	68.46	19.75

EmCD CHO® 906 Perfusion Medium can support stable SEC and CEX quality of CHO cells in the perfusion culture process

Scan QR code for more information

EmCD HEK293 Plus Medium

Catalog No.	Product Name	Appearance	Volume
L30303.1000	EmCD HEK293 Plus Medium	Liquid	1L
P30306.0010	EmCD HEK293 Plus Medium	Powder	10L
P30306.0100	EmCD HEK293 Plus Medium	Powder	100L
P30306.0500	EmCD HEK293 Plus Medium	Powder	500L

Description

EmCD HEK293 Plus Medium is specifically designed for an array of HEK293 cells, notably Expi HEK293F and HEK293 for transient antibody or recombinant protein expression and vaccine production. Boasting its chemically defined formulation, devoid of proteins, serum, and animal-origin constituents, this medium is the epitome of consistency, reliability, and efficacy.

Use EmCD HEK293 Plus Medium

For versatile HEK293 cell lines and aiming for optimal fed-batch cultivation.
When seeking efficient expansion of AAV and LV viruses.

Specifications

Type:	Chemically Defined Medium
Cell Line:	HEK293, Expi 293F
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	1L, 10L, 100L, 500L

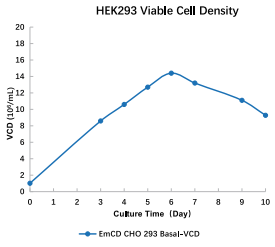
Components

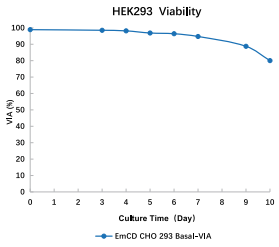
Animal-component free
Protein free
Growth-factors free
Glutamine free

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

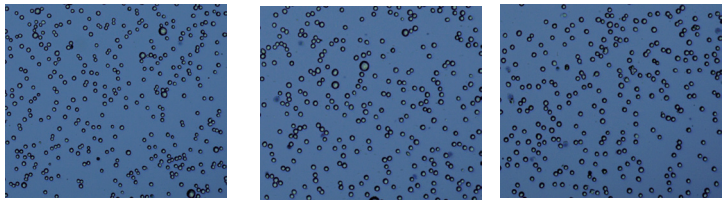
Data Chart





The highest viable cell density of HEK293 cells cultured on EmCD HEK293 Plus Medium was 14.4 × 10^6 cells/mL, with cell viability＞80% on Day7

Cell Morphology



EmCD CHO 293 Basal | Commercial A | Commercial B

HEK293 cells passaged in EmCD HEK293 Plus Medium, uniformly sized and without clumping

Scan QR code for more information

EmCD HEK293 Plus Feed

Catalog No.	Product Name	Appearance	Volume
P30310.0001	EmCD HEK293 Plus Feed	Powder	1L
P30310.0005	EmCD HEK293 Plus Feed	Powder	5L
P30310.0010	EmCD HEK293 Plus Feed	Powder	10L
P30310.12kg	EmCD HEK293 Plus Feed	Powder	12kg

Description

EmCD HEK293 Plus Feed is a nutrient supplement that crafted for Expi HEK293F and HEK293 cells, especially for transient expression of antibodies or recombinant proteins. This feed is free of proteins, serum, and animal-origin components, enabling high cell density, yield, and top-tier product quality.

Use EmCD HEK293 Plus Feed

When working with Expi HEK293F and HEK293 cells and aiming for optimal transient expression.
When seeking efficient expansion of AAV and LV viruses.

Specifications

Type:	Chemically Defined Medium
Cell Line:	HEK293, Expi 293F
Appearance:	Powder
Packaging:	Barrel
Specification:	1L, 5L, 10L, 12kg

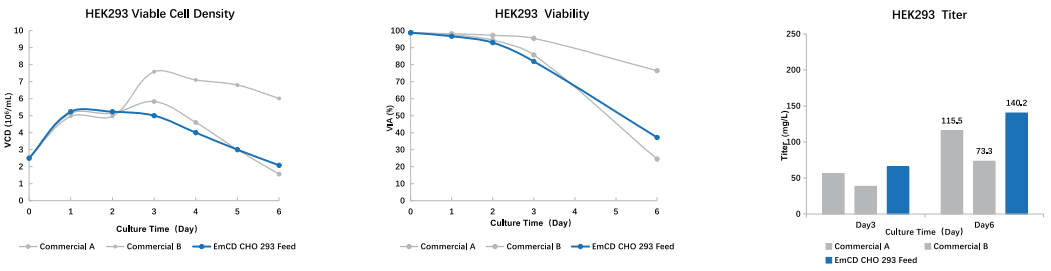
Components

Animal-component free
Protein free
Growth-factors free
Glutamine free

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Retest Date of Powder Product: 18 Months

Data Chart



The growth of HEK293 cells cultured on EmCD HEK293 Plus Medium with EmCD HEK293 Plus Feed and EmCD Supplement 1 was comparable to commercial medium after transient transfection, with a yield of 140.2mg/L on Day6, which was significantly better than commercial media

Scan QR code for more information

EmCD Supplement 1

Catalog No.	Product Name	Appearance	Volume
L30311.0010	EmCD Supplement 1	Liquid	10mL
L30311.0100	EmCD Supplement 1	Liquid	100mL
P30311.0001	EmCD Supplement 1	Powder	1L

Description

EmCD Supplement 1 is meticulously crafted for Expi293F,HEK293 and ExpiCHO-S cells, especially for transient expression of antibodies or recombinant proteins. This supplement is devoid of proteins, serum, and animal-origin components, ensuring the zenith of precision, adherence, and functionality.

Use EmCD Supplement 1

When working with Expi293F,HEK293 and ExpiCHO-S cells and aiming for optimal transient expression.
When seeking efficient expansion of AAV and LV viruses.

Components

Animal-component free
Protein-free
Growth factors-free
Glutamine-free

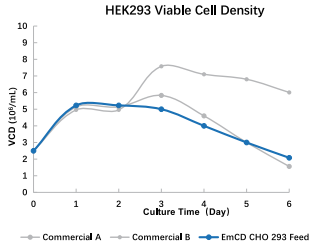
Storage & Logistic

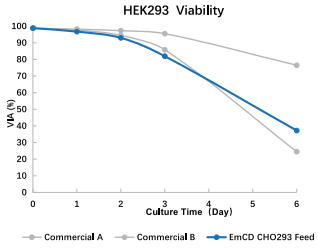
Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months
Expiration Date of Powder Product: 24 Months

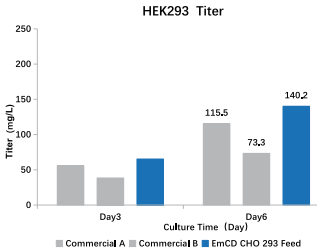
Specifications

Type:	Supplement
Cell Line:	HEK293, Expi 293F, CHO-S
Appearance:	Liquid/Powder
Packaging:	Bottle/Barrel
Specification:	10mL, 100mL, 1L

Data Chart







The growth of HEK293 cells cultured on EmCD HEK293 Plus Medium with EmCD HEK293 Plus Feed and EmCD Supplement 1 was comparable to commercial medium after transient transfection, with a yield of 140.2mg/L on Day6, which was significantly better than commercial media

Scan QR code for more information

EmACF BHK 300 Medium

Catalog No.	Product Name	Appearance	Volume
P30103.0010	EmACF BHK 300 Medium	Powder	10L
P30103.0010	EmACF BHK 300 Medium	Powder	100L
P30103.0500	EmACF BHK 300 Medium	Powder	500L

Description

EmACF BHK 300 Medium is crafted for a wide range of research needs, including vaccine and recombinant protein production. This medium, characterized by its utilization of plant-derived hydrolysates, is free of serum and animal-origin components, ensuring an unparalleled level of consistency and ethical sourcing.

Use EmACF BHK 300 Medium

When aiming for exceptional cell density, quality, and ethical sourcing in cell culture applications.
When a versatile medium that can address varied research demands and large-scale production is crucial.

Specifications

Type:	Serum free medium
Cell Line:	BHK cells
Appearance:	Powder
Packaging:	Barrel
Specification:	10L, 100L, 500L

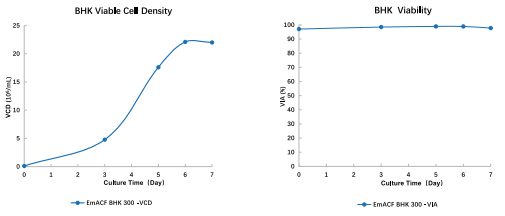
Components

Animal-component free
Growth-factors free

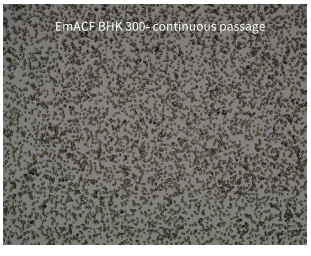
Storage & Logistic

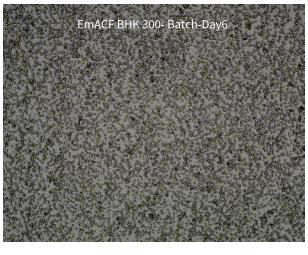
Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Retest Date of Powder Product: 18 Months

Data Chart

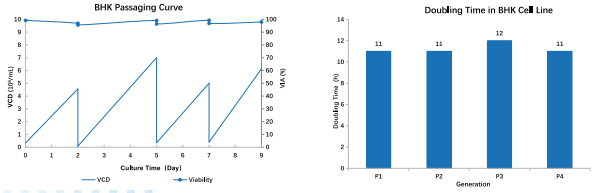


The highest viable cell density of BHK cells cultured in EmACF BHK 300 Medium was 22.1 × 10^6 cells/mL, with cell viability＞95% on Day7





BHK cells passaged in EmACF BHK 300 Medium, uniformly sized and without clumping



BHK cells showed stable passage in EmACF BHK 300 Medium, with a doubling time of approximately 11-12 hours

Scan QR code for more information

Classical Medium-Liquid

Catalog No.	Product Name	Package	Volume
L50101.0500	DMEM, High Glucose, With Sodium Pyruvate	Liquid	0.5L
L50103.0500	DMEM, High Glucose, Without Sodium Pyruvate	Liquid	0.5L
L50104.0500	DMEM, Low Glucose, With Sodium Pyruvate	Liquid	0.5L
L50201.0500	αMEM, Nucleosides	Liquid	0.5L
L50300.0500	IMDM, HEPES	Liquid	0.5L
L50501.0500	DMEM-F12, HEPES	Liquid	0.5L
L50601.0500	MEM, EBSS	Liquid	0.5L
L50800.0500	Ham's F-12K	Liquid	0.5L
L50401.0500	RPMI 1640, HEPES	Liquid	0.5L

Description

Classical Medium is specifically crafted for a range of specialized cells, notably tumor cells, hybridoma cells, and neural progenitor cells. This formulation, characterized by its specialized versatility, meets the pinnacle of quality, compliance, and performance, ensuring a consistent and reliable environment for your cell cultures.

Use Classical Medium

When cultivating an extensive range of specialized mammalian cells.
When high quality, uniformity, and regulatory compliance are paramount.
When a versatile and adaptable medium is indispensable for diverse research requirements.

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Liquid Product: 12 Months

Specifications

Catalog No.	Product Name	Components
L50101.0500	DMEM, High Glucose, With Sodium Pyruvate	With 4.0mM L-glutamine, phenol red, sodium pyruvate, 3.7g/L sodium bicarbonate, 4.5g/L glucose; Without HEPES
L50103.0500	DMEM, High Glucose, Without Sodium Pyruvate	With 4.0mM L-glutamine, phenol red, 3.7g/L sodium bicarbonate, 4.5g/L glucose; Without sodium pyruvate, HEPES
L50104.0500	DMEM, Low Glucose, With Sodium Pyruvate	With 4.0mM L-glutamine, phenol red, sodium pyruvate, 3.7g/L sodium bicarbonate, 1.0g/L glucose; Without HEPES
L50201.0500	αMEM, Nucleosides	With 2.0mM L-glutamine, phenol red, sodium pyruvate, 2.2g/L sodium bicarbonate, 1.0g/L glucose, Ribonucleoside, deoxyribonucleoside; Without HEPES
L50300.0500	IMDM, HEPES	With 4.0mM L-glutamine, phenol red, sodium pyruvate, 3.0g/L sodium bicarbonate, 4.5g/L glucose, HEPES; Without α- Thioglycerin, 2-mercaptoethanol
L50501.0500	DMEM-F12, HEPES	With 2.5mM L-glutamine, phenol red, sodium pyruvate, 1.2g/L sodium bicarbonate, 3.2g/L glucose, HEPES
L50601.0500	MEM, EBSS	With 2.0mM L-glutamine, phenol red, 2.2g/L sodium bicarbonate, 1.0g/L glucose, HEPES, Earles equilibrium salt; Without sodium pyruvate, non essential amino acids
L50800.0500	Ham's F-12K	With 2.0mM L-glutamine, phenol red, sodium pyruvate, 2.5g/L sodium bicarbonate, 1.3g/L glucose; Without HEPES
L50401.0500	RPMI 1640, HEPES	With 2.0mM L-glutamine, phenol red, 2.0g/L sodium bicarbonate, 2.0g/L glucose, HEPES; Without sodium pyruvate

Scan QR code for more information

Classical Medium-Powder

Product No.	Product Name	Package	Volume
P50100	DMEM	Powder	10L, 50L, 100L, 12kg
P50200	αMEM	Powder	10L, 50L, 100L, 12kg
P50201	αMEM, Nucleosides	Powder	10L, 50L, 100L, 12kg
P50300	IMDM	Powder	10L, 50L, 100L, 12kg
P50402	RPMI 1640	Powder	10L, 50L, 100L, 12kg
P50501	DMEM-F12	Powder	10L, 50L, 100L, 12kg
P50600	MEM, EBSS, AA	Powder	10L, 50L, 100L, 12kg
P50601	MEM, EBSS	Powder	10L, 50L, 100L, 12kg
P50800	Ham's F-12K	Powder	10L, 50L, 100L, 12kg
P51400	M199	Powder	10L, 50L, 100L, 12kg

Description

Classical Medium is specifically crafted for a range of specialized cells, notably tumor cells, hybridoma cells, and neural progenitor cells. This formulation, characterized by its specialized versatility, meets the pinnacle of quality, compliance, and performance, ensuring a consistent and reliable environment for your cell cultures.

Use Classical Medium

When cultivating an extensive range of specialized mammalian cells.
When high quality, uniformity, and regulatory compliance are paramount.
When a versatile and adaptable medium is indispensable for diverse research requirements.

Storage & Logistic

Storage Conditions: 2°C to 8°C, protect from light
Shipping Conditions: Ambient
Expiration Date of Powder Product: 36 Months

Specifications

Product No.	Product Name	Components
P50100	DMEM	With 1.0g/L glucose; Without L-glutamine, phenol red, sodium pyruvate, sodium bicarbonate, HEPES
P50200	αMEM	With 2.0mM L-glutamine, sodium pyruvate, 1.0g/L glucose; Without phenol red, sodium bicarbonate, Ribonucleoside, deoxyribonucleoside, HEPES
P50201	αMEM, Nucleosides	With 2.0mM L-glutamine, sodium pyruvate, 1.0g/L glucose, Ribonucleoside, deoxyribonucleoside; Without phenol red, sodium bicarbonate, HEPES
P50300	IMDM	With 4.0mM L-glutamine, sodium pyruvate, 4.5g/L glucose, HEPES; Without phenol red, sodium bicarbonate, α- Thioglycerin, 2-mercaptoethanol
P50402	RPMI 1640	With 2.0mM L-glutamine, 2.0g/L glucose; Without sodium pyruvate, phenol red, sodium bicarbonate, HEPES
P50501	DMEM-F12	With 2.5mM L-glutamine, sodium pyruvate, 3.2g/L glucose; Without phenol red, HEPES, sodium bicarbonate
P50600	MEM, EBSS, AA	With 2.0mM L-glutamine, phenol red, 1.0g/L glucose, Earles equilibrium salt, essential amino acids, non essential amino acids; Without sodium bicarbonate,sodium pyruvate, HEPES
P50601	MEM, EBSS	With 2.0mM L-glutamine, 1.0g/L glucose, Earles equilibrium salt, HEPES; Without phenol red,sodium bicarbonate, sodium pyruvate, non essential amino acids
P50800	Ham's F-12K	With 2.0mM L-glutamine, sodium pyruvate, 1.3g/L glucose; Without phenol red, sodium bicarbonate, HEPES
P51400	M199	With 0.7mM L-glutamine, phenol red, 1.0g/L glucose, Hanks'salt; Without sodium pyruvate, sodium bicarbonate, HEPES

Scan QR code for more information

Em CHO-K1 Cells

Product Overview

Em CHO-K1 cell presents a unique blend of quality and flexibility, backed by an impeccable paper trail of documentation. The CHO-K1 cell line, first isolated by Dr. Theodore T. Puck in 1957, has been procured from esteemed American research institutions. Eminence has since adapted original cell from serum containing medium to proprietary chemically defined Em CD CHO® medium and grown in suspension culture. The cell line has undergone rigorous tests by Charles River Laboratory to ensure safety and quality in compliance to GMP standards.

Features & Benefits

- **Transparency and Documentation**
  Our cell bank comes with comprehensive documents and records ensuring traceability of all raw materials used during adaptation.
- **Licensing Flexibility**
  Commercial users will benefit from our flexible licensing structure, which forgoes royalties, thereby reducing ongoing operational costs.
- **Rigorous Quality Control**
  Each cell bank is accompanied by a comprehensive test report generated by Charles River Laboratory. These reports encompass an array of quality indicators, including cell line identification, sterility, mycoplasma, and pathogen status.
- **Serum-free Medium**
  Our cell line is adapted for suspension culture in serum-free, chemically defined Em CD CHO® medium.
- **GMP Compliance**
  Em CHO-K1 cells are banked and characterized in accordance with Good Manufacturing Practices (GMP), assuring the highest standards for quality and safety.

Storage & Logistics

Storage Requirements: For maximum longevity and stability, the cells are stored in liquid nitrogen at -196°C
Shipping Procedures: Cells are securely shipped in liquid nitrogen to ensure their integrity and viability

Scan QR code for more information

Media Formulation Development

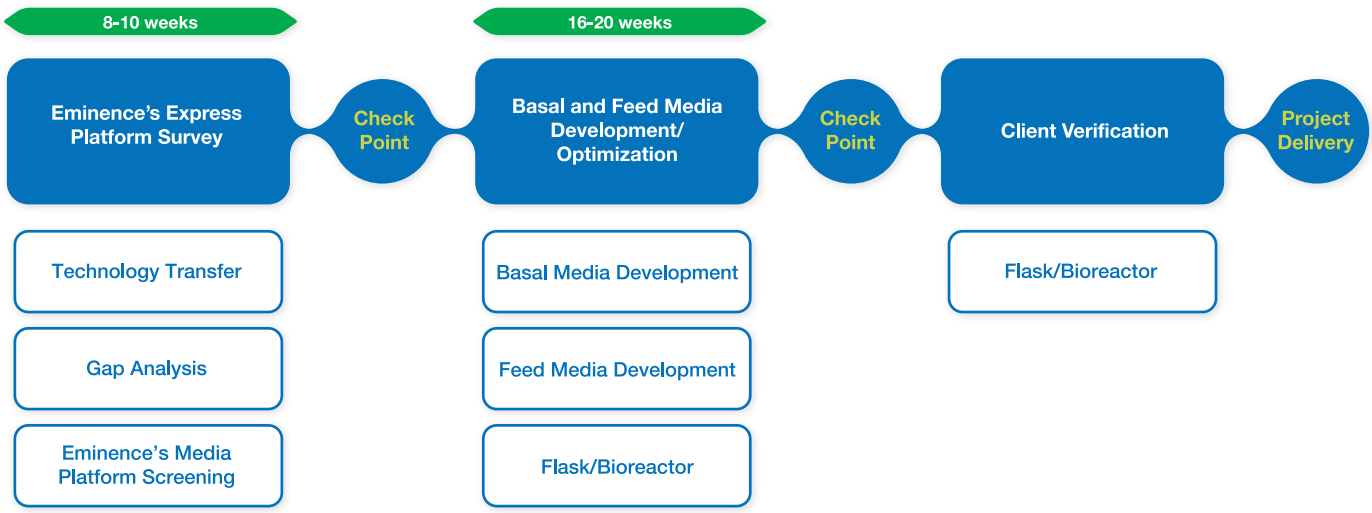
To improve the quantity and quality of the protein expression, Eminence provides our clients with optimized solutions for custom cell culture formulation to assist their specific projects. Through our Media Development and Optimization Platform, we have been providing our clients with the best-in-class media performance of our excellent deliverables for years.

We offer comprehensive services with flexible options according to clients' specific requirements, ensured by our high-quality systems. We have successful track records in assisting many clients with media development for their innovative and generic biologics.

Our high-performing media formulation development is with:

- Proprietary formulation library and experiment designing
- High-throughput screening platform
- Complete formulation development within 6-12 months
- Pilot lots before bulk manufacturing

Eminence is ready to partner with you at every step with high flexibility and quality:



Scan QR code for more information

Custom Media Manufacturing

In our GMP-compliant and ISO-certified manufacturing facilities, Eminence is proud to provide comprehensive customized pilot and bulk manufacturing services of cell culture media. We have extensive experience in assisting our clients with flexible options for product deliverables with high-standard quality.

In our GMP-compliant facility, we provide scale-up/bulk manufacturing of customized cell culture media with consistency and continuity, with the maximum lot size of 1000kg/batch.

Request Confirmation	Process Development	Manufacturing	Quality Control	Product Study
Formulation: • **Customized Formulation** • **Client's Formulation**	• **Hammer-Milling Process Development** • Pin-Milling Process Development	**GMP Manufacturing** Batch Size: • Powder: 5-1000kg • Application: **Research and Commercial Manufacture Uses**	**General Testing:** • Appearance • Solubility • PH • Water Content • Osmolarity • Bacterial Endotoxin • Bioburden (Powder) or Sterility (Liquid)	• Stability Study on Storage • Stability Study on Transportation and Temperature Excursion • Stability Study on In-process Production
Format: • Powder: Barrel • Liquid: Bottle			**Optional Testing:** • Cell Culture: -Cell Growth -Protein Expression -Protein Quality: SEC, CEX, N-Glycan • Trace Elements and Metals Analysis, such as Cu/Fe/Mn/Zn • Amino Acid Analysis • Mycoplasma/Chlamydia /Virus Detection	
Package: • Powder: 1L, 5L, 10L, 20L, 50L, 6kg, 12kg • Liquid: 500mL, 1L				

Eminence's Customized GMP Manufacturing Service:

- A high-standard quality assurance system to confirm product consistency and compliance with the regulatory authorities
- Maximum lot size: 1000kg/batch
- Delivery time: within 6-8 weeks
- MME (Material Management Expert) to ensure efficient and reliable production with full process control and visibility

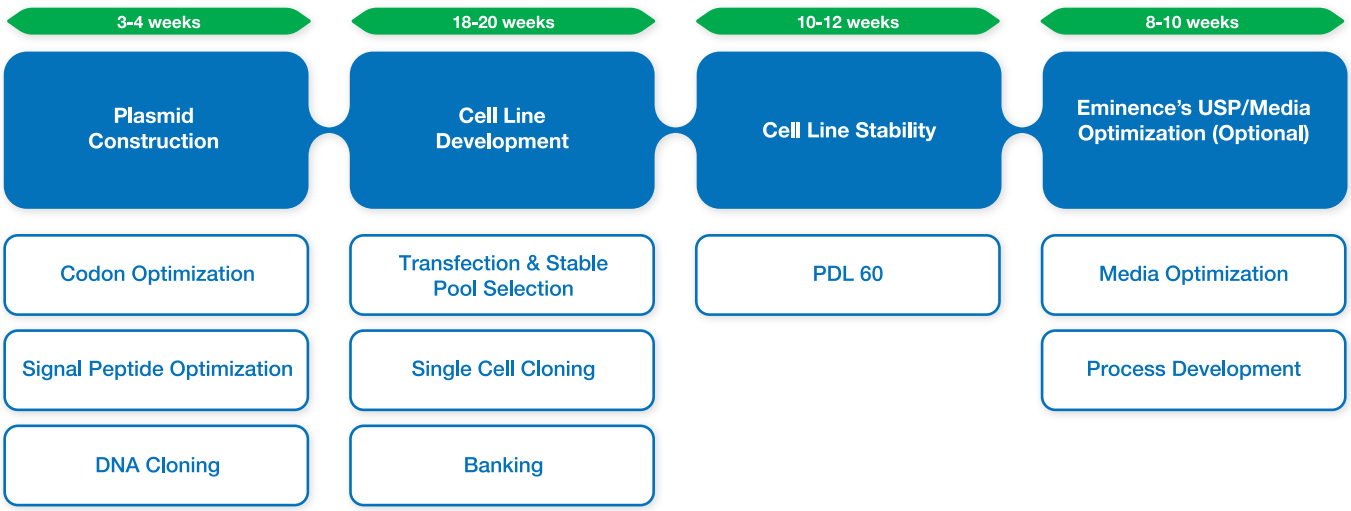
Scan QR code for more information

Stable Cell Line Development

Eminence has abundant successful cases of stable cell line development. We developed a proprietary platform incorporating host cell (CHO-K1), expression vectors, and cell culture media/feeds, guaranteeing rapid development time and high expression levels of mAbs and recombinant proteins. State-of-art devices (including imaging system) can ensure the clonality of the cell lines. We can also offer optional solutions to take the cell line performance up a notch by leveraging with Eminence' s experiences in media formulation for the optimal development strategy for the clients' applications.

Eminence' s Stable Cell Line Development Service:

- From DNA to RCB: within 4-6 months
- With an average yield of 4-6 g/L in fed-batch culture
- Upstream process development (deep well plates, shake flask and bioreactor)
- Advanced imaging system to ensure the monoclonality of the cell lines
- Optional services: media optimization and upstream process development



Scan QR code for more information

Eminence
埃美益

WEBSITE

Eminence

218 Sangtian Street, Building 24, Suzhou Industrial Park, Jiangsu, China 215123

+86 18912730685

vip@eminencebio.com

400 928 3628