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Cell Culture Media Catalog

30 years of ingenuity on creating
a novel drive for cell culture



Shanghai BioEngine Sci-Tech Co., Ltd.

**To Be the Most Reliable Animal Cell
Culture Partner in the World**



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BIOENGINE

Shanghai BioEngine Sci-Tech Co., Ltd. was founded on December 24, 2014, in Shanghai China. We specialize in providing high-quality & cost-effective cell culture media and related technical services in antibody, vaccine, and cell & gene therapy fields. The headquarter and R&D center are located in Shanghai Zhangjiang Hi-Tech Park, and the Phase II production base (Shanghai Beijing Biotech Co., Ltd.) is located in Jinshan, Shanghai.

With 30 years of experiences in the fields of animal cell culture, BioEngine developed a series of serum-free cell culture media with independent IP for CHO cells, insect cells, HEK293 cells, Vero cells, MDCK cells, BHK cells, immune effector cells, and other animal cells.



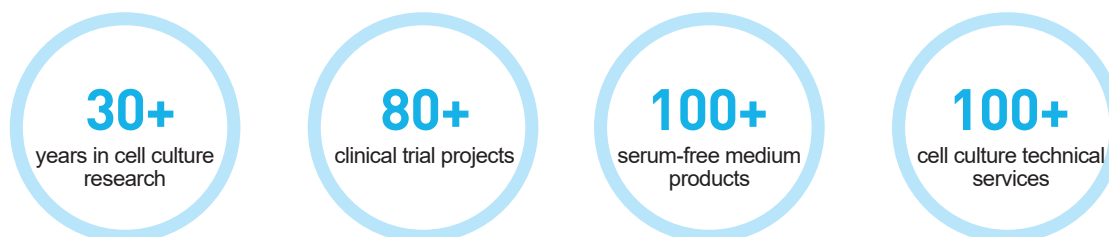
- Excellent cell culture performance: support high-density cell culture and high product yield and quality
- High Cost-effectiveness: The production capacity scales up to 100,000 L/ batch and the stable supply of high-quality raw materials enhances a competitive price strength
- Stable and reliable quality: Excellent batch to batch consistency (RSD<10%, CPK>1.33)
- Fast and stable supply: Qualified "2 local+1 imported" raw material suppliers to face the raw material market fluctuations calmly. More than 80% of raw materials have at least one imported supplier and two local suppliers.
- Safety and Compliance: manufactured under multiple quality management systems (ISO13485:2016, FDA, and GMP) to meet relevant regulatory requirements in US FDA and EU
- Filing support: Full traceability, complete clinical filing support documents available



BioEngine believes that the “Intelligent Manufacturing in China” has three important components: qualified and stable raw material supply in China, foremost and sustainable independent R&D strength, as well as international leading levels of manufacturing technology and quality management.

Professional R&D Team Endows Continuous Innovation

With more than 30 years of experience in the field of animal cell culture and bioreactor engineering, the R&D team has built up the leading-edge technical strength and accomplished many breakthrough projects at home and abroad.



- Cutting-edge MDCK cell serum-free suspension culture technology used in influenza vaccine production in 2016
- The ground-breaking domestic serum-free medium used in cell therapy clinical trials in China approved in 2019
- Leading Chinese Serum-free culture medium license-out to top biotech company since 2020

World-class Manufacturing and Quality Management

Shanghai Beijin Biotech Co., Ltd., a wholly-owned subsidiary and supply chain center of BioEngine, has completed **large-scale, informatization and internationalization** construction, and become a world-class culture medium factory "based in Shanghai and serving the world".

Capacity Upgrade

The annual production capacity reaches **55 million of liters powder medium** and **500,000 liters of liquid medium**. The maximum batch capacity is **100,000 liters of medium equivalent powder**.

Advanced Production Technology

Low-Temperature Medium Powder Automatic Production Line at multi-scale of 1k, 10k, and 100k liters equivalent powder ensures the stability and consistency of the production process.

International Multi- QMS

ISO13485, GMP, and MDSAP certificated quality system, medium products in compliance with **FDA** and **EU** regulations.

Advanced information management

Fast supply and technical support for customers through the efficient **information management system**.

For Antibodies

Eden series CHO CD medium

Eden series media are designed for high protein production by CHO cell lines such as CHO-K1, CHO-ZN, HORIZON, CHO-S, and CHO DG44 in a variety of culture processes including fed-batch, high cell density fed-batch and perfusion.



High Product Yield and Quality

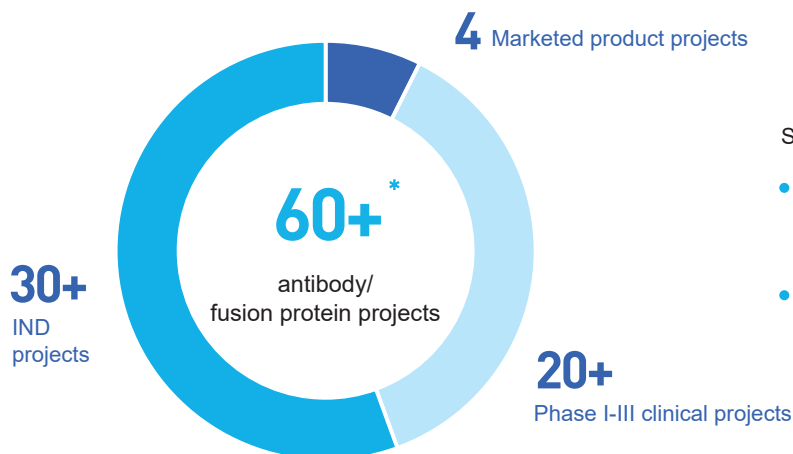
Based on the statistic data of over 100 customer projects, the maximum titer of CHO fed-batch culture reaches 14 g/L on day 14. The average titer is 20% higher than that of the best performing global brand, and the critical quality attributes are consistently comparable with the original drugs, which can effectively reduce costs and increase efficiency for bio-pharmaceutical enterprises.

High Safety and Compliance

No cytokines, antibiotics, hormones, or animal-derived components are contained, which eliminates the risk of various external factor pollution. High-quality raw materials and internationally certified multi-quality systems ensure product safety and quality.

Extensive Compatibility

Eden series media are adaptive to various commercial or independently selected CHO cell lines, as well as different processes, such as fed-batch, high cell density fed-batch, and perfusion.



* Statistics as of June 2022

Serving

- Biosimilars and innovative drugs (Monoclonal antibody/multi-specific antibody/Mab fusion protein)
- Traditional targets (CD20/HER2/PD1 etc.) and new targets (CD38/IL6 etc.)

Typical Cases

1	2	3	4	5
Marketed	BLA	Phase III clinical trial	IND	IND application in both China and the US
Antibody fusion protein Traditional fed-batch	Monoclonal antibody Traditional fed-batch	Monoclonal antibody High density fed-batch	Tetra-specific antibody Traditional fed-batch	bispecific antibody Perfusion
6-fold titer increase CQAs comparable with the original drug	3-fold titer increase CQAs comparable with the original drug	2-fold titer increase. Manufacturing change	3-fold titer increase. Meet CQA requirements	Yield increased 12 times than traditional fed-batch

Statistics on a specific cell line



65% * projects

Eden's performance is superior or equal to that of global brands

Statistics on multiple cell lines



86% * projects

Eden's performance is superior to the original cell culture medium solution

* Based on more than 100 external trial data statistics

Product Name	Cat. No.	Form	Size	Package	NOTE
Eden B600S Basal Medium 🔥	EXP0109901	Powder	10L	Bag	Animal-derived component free, Protein-free, Chemically defined Recommended to use with the feed medium for better performance
	EXP0109902	Powder	200L	Bag	
Eden B501S Basal Medium	EXP0106001	Powder	10L	Bag	Animal-derived component free, Protein-free, Chemically defined Recommended to use with the feed medium for better performance
	EXP0106002	Powder	200L	Bag	
Eden B401S Basal Medium	EXP0105901	Powder	10L	Bag	Animal-derived component free, Protein-free, Chemically defined Recommended to use with the feed medium for better performance
	EXP0105902	Powder	100L	Bag	
	EXP0105903	Powder	200L	Bag	
Eden B300S Basal Medium	EXP0107901	Powder	100L	Bag	Animal-derived component free, Protein-free, Chemically defined Recommended to use with the feed medium for better performance
	EXP0107902	Powder	200L	Bag	
	EXP0107903	Powder	10L	Bag	
Eden F601aS Feed Medium 🔥	EXP0112101	Powder	20L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0112102	Powder	10L	Bag	
	EXP0112103	Powder	1L	Bag	
Eden F600aS Feed Medium	EXP0108901	Powder	20L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0108902	Powder	10L	Bag	
	EXP0108903	Powder	1L	Bag	
Eden F500aS Feed Medium	EXP0105001	Powder	1L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0105002	Powder	20L	Bag	
Eden F400aS Feed Medium	EXP0104801	Powder	1L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0104802	Powder	20L	Bag	
Eden F600bS Feed Medium 🔥	EXP0108801	Powder	10L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0108802	Powder	1L	Bag	
Eden F200bS Feed Medium	EXP0104601	Powder	1L	Bag	Animal-derived component free, Protein-free, Chemically defined To be used in combination with basal medium.
	EXP0104602	Powder	10L	Bag	
	EXP0104603	Powder	20L	Bag	
	EXP0104604	Powder	50L	Bag	

Recommended combo:

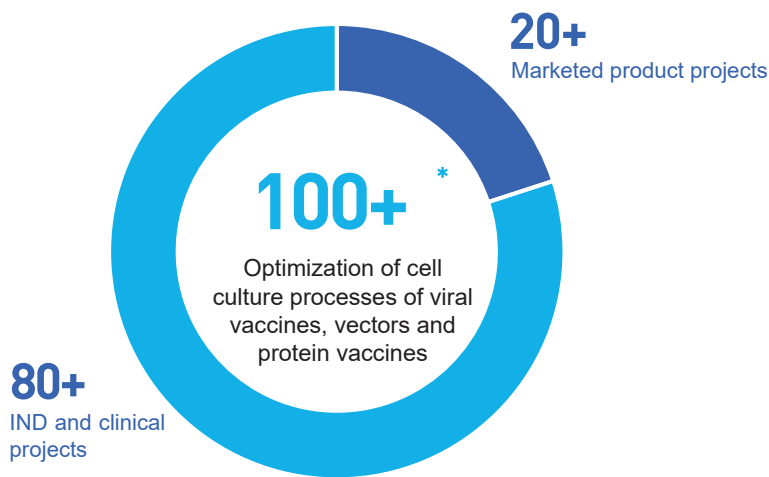
B600S+F600aS+F600bS, B600S+F601aS+F600bS

Other combinations and/or additional additives may obtain even better performance referring to different projects.

For Vaccines

Multi-series media are developed for large-scale and high-density suspension culture of various cells (such as insect cells, CHO cells, 293 cells, Vero cells, hybridoma cells, MDCK cells, BHK cells, etc.), covering the comprehensive product lines of vaccines.

The culture performance of BioEngine products stands out among competitors, including top global brands. With remarkable market recognition, our products have served more than 100 vaccine projects, and have been applied to pilot development and industrialization of many vaccine manufacturers in China.



- Applied to human vaccine and animal vaccine projects.
- Mainly serum-free suspension culture system, successfully applied to the 6000-liter scale.
- Help customers significantly improve production efficiency and reduce costs.

* Including human vaccine and animal vaccine projects.
Statistical data as of June 2022.

Typical Cases

1	2	3	4
Marketed	Marketed	BLA	Pre-IND
avian influenza	foot-and-mouth disease	Rabies virus	Human influenza
Diluted fed-batch	High-density cell culture with medium exchange process	Traditional perfusion	Diluted fed-batch
titer increased 6~8 times. Free from chick embryo	The first foot-and-mouth disease vaccine product line using high-density culture in China	The first rabies vaccine production line in serum-free condition in China	The first influenza vaccine production in serum-free suspension condition in China

Serum-free medium for insect cells

Vigor series serum-free media are designed for Sf9 and High five cells to support high-density insect cell culture and efficient production of recombinant proteins by using the baculovirus vector expression system. It has been widely used in the large-scale production of subunit vaccines and recombinant proteins, etc.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>Vigor-S100</i> Insect Cell Serum-free Medium	EXP0101102	Liquid	1L	Bottle	<ul style="list-style-type: none"> Serum-free and protein-free Suitable for both Sf9 and High five cells Support the production of subunit vaccine such as Porcine circovirus, Classical Swine Fever virus, and Porcine parvovirus or VLP Powder format medium with corresponding additives.
<i>Vigor-S100S</i> Insect Cell Serum-free Medium 🔥	EXP0109401	Powder	100L	Bag	
	EXP0109402	Powder	5L	Bag	
<i>Vigor-S100S</i> Additive	EXP0109501	Liquid	100ml	Bottle	
	EXP0109502	Liquid	5ml	Tube	
<i>Vigor-S101</i> Insect Cell Serum-free Medium	EXP0102201	Liquid	1L	Bottle	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Suitable for both Sf9 and High five cells Support the production of subunit vaccines such as COVID-19, influenza and other VLPs Powder format medium with corresponding additives
<i>Vigor-S101S</i> Insect Cell Serum-free Medium 🔥	EXP0107401	Powder	100L	Bag	
	EXP0107403	Powder	5L	Bag	
<i>Vigor-S101S</i> Additive	EXP0107501	Liquid	100ml	Bottle	
	EXP0107503	Liquid	5ml	Tube	

Serum-free medium for 293 cells

Celer series serum-free media are developed to support the rapid cell growth and high cell-density culture, and promote adenovirus or protein production of various 293 cell lines, such as HEK293, 293T, and 293F cells. It is suitable for virology research, Adenovirus-vectored vaccines for COVID-19, and other large-scale industrial production. It has been successfully applied to kilo-liter scale bioreactor production and has served many IND applications.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>Celer-S001S</i> HEK293 Serum-free Medium 🔥	EXP0108401	Powder	200L	Bag	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Suitable for adenovirus production
	EXP0108402	Powder	100L	Bag	
	EXP0108403	Powder	10L	Bag	
<i>Celer-S001</i> HEK293 Serum-free Medium	EXP0104003	Liquid	1L	Bottle	
<i>Celer-S201S</i> 293 Serum-free Medium 🔥	EXP0103003	Powder	100L	Bag	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Chemically defined Suitable for protein production
	EXP0103002	Powder	10L	Bag	
<i>Celer-S201</i> 293 Serum-free Medium	EXP0103001	Liquid	1L	Bottle	

Serum-free medium for Vero cells

Pesche series products are serum-free media designed to support high cell density, continuous cell passage, and virus production of Vero adherent cells.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>Pesche-CD001S</i> Vero CD Medium 🔥	EXP0113101	Powder+Additive	200L	Set	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Chemically defined Support the vaccine production of new COVID-19, rabies, rotavirus, etc.
	EXP0113102	Powder+Additive	100L	Set	
	EXP0113103	Powder+Additive	10L	Set	
<i>Pesche-CD001</i> Vero CD Medium	EXP0113104	Liquid+Additive	1L	Set	

Serum-free medium for hybridoma cells

Hyber series serum-free media are developed to support the rapid cell growth, high cell density, and high antibody yield of hybridoma cells.

Product Name	Cat. No.	Form	Size	Package	NOTE
Hyber-B100 Hybridoma Cell Serum-free Medium	EXP0101402	Liquid	1L	Bottle	<ul style="list-style-type: none"> • Animal-derived component-free • Serum-free and protein-free • Support high-density suspension culture and antibody production
	EXP0111201	Powder	100L	Bag	
Hyber-B100S Hybridoma Cell Serum-free Medium 🔥	EXP0111202	Powder	10L	Bag	
	EXP0111203	Powder	5L	Bag	
Hyber-F100 Hybridoma Cell Serum-free Feed Medium	EXP0100802	Liquid	250ml	Bottle	
Hyber-F100S Hybridoma Cell Serum-free Feed Medium	EXP0111301	Powder	20L	Bag	
	EXP0111302	Powder	2L	Bag	

Serum-free medium for PK15 cells

Proli series products are serum-free and protein-free media designed to support the rapid suspension adaption of PK15 adherent cells, high-density suspension culture of PK15 cells, and high production of porcine circovirus.

Product Name	Cat. No.	Form	Size	Package	NOTE
Proli-S001 PK15 Serum-free Medium	EXP0101001	Liquid	1L	Bottle	<ul style="list-style-type: none"> • Animal-derived component-free • Serum-free and protein-free • Suitable for production of porcine circovirus
	EXP0111103	Powder	10L	Bag	
Proli-S001S PK15 Serum-free Medium	EXP0111102	Powder	100L	Bag	
	EXP0111101	Powder	200L	Bag	

Serum-free medium for MDCK cells

Xeno series and SF003 serum-free and protein-free media are designed to support the high-density culture of MDCK cells. They also support rapid suspension adaption of MDCK adherent cells and high yield production of influenza viruses.

Product Name	Cat. No.	Form	Size	Package	NOTE
Xeno-S001 MDCK Serum-free Medium	EXP0100405	Liquid	1L	Bottle	<ul style="list-style-type: none"> • Animal-derived component-free • Serum-free and protein-free • Support high-efficiency amplification of human influenza virus
	EXP0100403	Powder	10L	Bag	
Xeno-S001S MDCK Serum-free Medium 🔥	EXP0100406	Powder	100L	Bag	
	EXP0100401	Powder	200L	Bag	
SF003 MDCK Serum-free Medium	EXP0107203	Powder	10L	Bag	<ul style="list-style-type: none"> • Animal-derived component-free • Serum-free and protein-free • Support high-efficiency amplification of avian influenza and swine influenza viruses
	EXP0107202	Powder	100L	Bag	
	EXP0107201	Powder	200L	Bag	

Serum-free medium for MDBK cells

Bofit series media are developed to support the high cell-density culture of MDBK cells and efficient production of the Bovine Virus.

Product Name	Cat. No.	Form	Size	Package	NOTE
Bofit-S001S MDBK Serum-free Medium	EXP0101801	Powder	10L	Bag	<ul style="list-style-type: none"> • Animal-derived component-free • Serum-free and protein-free • Support high-efficiency amplification of Bovine Virus
	EXP0101802	Powder	100L	Bag	

Serum-free medium for BHK cells

Tac series media and *SF206* serum-free feed medium are developed to support the high cell-density culture of BHK cells and efficient production of pseudorabies virus, Newcastle disease virus, Japanese encephalitis virus, and Rabies virus.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>Tac-S101</i> BHK Serum-free Medium	EXP0102001	Liquid	1L	Bottle	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Support high-efficiency amplification of pseudorabies virus, Newcastle disease virus, Japanese encephalitis virus, Rabies virus and other viruses
<i>Tac-S101S</i> BHK Serum-free Medium 🔥	EXP0102003	Powder	10L	Bag	
	EXP0102004	Powder	100L	Bag	
	EXP0102005	Powder	200L	Bag	
<i>SF206</i> BHK Serum-free Feed Medium	EXP0105103	Liquid	500ml	Bottle	
	EXP0105101	Powder	1L	Bag	
	EXP0105102	Powder	10L	Bag	

Serum-free medium for LMH cells

SF501 LMH cell serum-free medium is designed to support suspension adaption and high-density suspension culture of LMH cells. This animal-derived component-free, protein-free, and serum-free medium also supports high-yield production of avian adenovirus vaccine and has been used for large-scale production of multiple avian adenovirus vaccine projects.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>SF501</i> LMH Serum-free Medium 🔥	EXP0100901	Liquid	1L	Bottle	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Support high productivity of avian adenovirus vaccine
	EXP0105702	Powder	10L	Bag	
	EXP0105701	Powder	100L	Bag	
	EXP0105703	Powder	200L	Bag	

Low-serum medium for Adherent cells

LS902 low-serum culture medium is designed for an efficient culture of adherent cells and supports the low-serum culture of various adherent cells such as Vero, 293, ST, Marc145, and PK15 cells.

Product Name	Cat. No.	Form	Size	Package	NOTE
<i>LS902</i> Adherent Cell Low-serum Medium 🔥	EXP0112703	Powder	10L	Bag	<ul style="list-style-type: none"> Transfer from 10% serum condition without adaptation Support long-term passage in 3-5% low-serum culture Support virus production in 1-2% low-serum or serum-free culture
	EXP0112702	Powder	100L	Bag	
	EXP0112701	Powder	200L	Bag	

For Cell and Gene Therapy (CGT)

In the field of cell and gene therapy (CGT), BioEngine has developed multiple serum-free mediums with independent intellectual property rights, which includes HIPP series serum-free medium for in vitro culture and expansion of immune cells (CAR-T, NK, CAR-NK, etc.), Vigor series serum-free medium for AAV (adeno-associated virus) production on insect cells, and Celer series serum-free medium for AAV (adeno-associated virus) and LV (lentivirus) production on 293 cells. They basically cover the cell culture medium required by the research and production in the field of CGT, and have served IND projects of CGT companies.




HIPP series lymphocyte serum free medium


Suitable for various immune cell culture: T cells, NK cells, CAR-T, CIK, CAR-NK-92, hematopoietic stem cells (CD34+) and other cell lines (NK-92, NK-92MI, K562, Jurkat, etc.).

- Support optimal growth and high-density culture of immune cells in serum-free or low-serum culture conditions.
- The Chemically defined and Animal-derived component free formulation ensure high safety.
- No growth factors and activating factors, extended expiration date, flexible to different cytokine-adding strategies of different cells.


 **HIPP-T009** used in cell therapy clinical trials in China approved in 2019

Product Name	Cat. No.	Form	Size	Package	NOTE
HIPP-T009 Lymphocyte Serum-free Medium 	EXP0103801	Liquid (non phenol red)	1L	Bottle	GMP Grade
	EXP0101302	Liquid (containing phenol red)	1L	Bottle	Research Grade
HIPP-T006 Lymphocyte Serum-free Medium	EXP0105301	Liquid (non phenol red)	1L	Bottle	GMP Grade
	EXP0101304	Liquid (containing phenol red)	1L	Bottle	Research Grade
HIPP-T003 Lymphocyte Serum-free Medium	EXP0101306	Liquid (containing phenol red)	1L	Bottle	Research Grade

Vigor series insect cell media for AAV production

Product Name	Cat. No.	Form	Size	Package	NOTE
Vigor-S101 Insect Cell Serum-free Medium	EXP0102201	Liquid	1L	Bottle	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Powder medium with corresponding additives
Vigor-S101S Insect Cell Serum-free Medium 	EXP0107401	Powder	100L	Bag	
	EXP0107403	Powder	5L	Bag	
Vigor-S101S Additive	EXP0107501	Liquid	100ml	Bottle	
	EXP0107503	Liquid	5ml	Tube	

Celer series 293 cells media for AAV or LV production

Product Name	Cat. No.	Form	Size	Package	NOTE
Celer-S101S 293 Serum-free Medium 	EXP0112001	Powder	200L	Bag	<ul style="list-style-type: none"> Animal-derived component-free Serum-free and protein-free Chemically defined Suitable for AAV or LV production
	EXP0112002	Powder	100L	Bag	
	EXP0112003	Powder	10L	Bag	
Celer-S101 293 Serum-free Medium	EXP0102901	Liquid	1L	Bottle	

Classical Cell Culture Media

Classic cell culture media are available, including RPMI 1640, MEM, DMEM, Ham's F12, IMDM, M199 culture media, etc.



Cost effective

Production capacity of up to 100,000 liters and a stable supply of high-quality raw materials provide cost-effective products.



High batch-to-batch consistency

Excellent batch-to-batch consistency: RSD<10%, CPK>1.33



Stable supply of raw materials

A strict "2+1" raw material supply chain is flexible and responsive to market fluctuations. ("2+1" means more than 80% of raw materials have at least 2 local suppliers and 1 import supplier.)



Exclusive product engineer service

Provide the whole product life cycle management from product design, process production to product application, and provide a full set of audit data to ensure the traceability of product design and standards

Product Name	Cat. No.	Form	Size	Package	NOTE
DMEM, High Glucose (With sodium pyruvate)	EXP0110101	Powder	100L	Bag	With high glucose, phenol red, L-glutamine, sodium pyruvate; Without sodium bicarbonate, HEPES.
	EXP0110102	Powder	10L	Bag	
	EXP0110103	Liquid	1000ml	Bottle	With high glucose, phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate; Without HEPES.
	EXP0110104	Liquid	500ml	Bottle	
DMEM, High Glucose (Without sodium pyruvate)	EXP0101901	Powder	10L	Bag	With high glucose, phenol red, L-glutamine; Without sodium pyruvate, sodium bicarbonate, HEPES.
	EXP0101902	Powder	100L	Bag	
	EXP0101903	Liquid	1000ml	Bottle	With high glucose, phenol red, L-glutamine, sodium bicarbonate; Without sodium pyruvate, HEPES.
	EXP0101904	Liquid	500ml	Bottle	
DMEM, Low Glucose	EXP0103501	Powder	100L	Bag	With low glucose, phenol red, L-glutamine, sodium pyruvate; Without sodium bicarbonate, HEPES.
	EXP0103502	Powder	10L	Bag	
	EXP0103503	Liquid	1000ml	Bottle	With low glucose, phenol red, L-glutamine, sodium bicarbonate, sodium pyruvate; Without HEPES.
	EXP0103504	Liquid	500ml	Bottle	
DMEM/F-12 (With HEPES)	EXP0103401	Powder	100L	Bag	With phenol red, L-glutamine, sodium pyruvate, HEPES; Without sodium bicarbonate.
	EXP0103402	Powder	10L	Bag	
	EXP0103403	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate, HEPES.
	EXP0103404	Liquid	500ml	Bottle	
DMEM/F-12 (Without HEPES)	EXP0112201	Powder	100L	Bag	With phenol red, L-glutamine, sodium pyruvate; Without sodium bicarbonate, HEPES.
	EXP0112202	Powder	10L	Bag	
	EXP0112203	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate; Without HEPES.
	EXP0112204	Liquid	500ml	Bottle	

Product Name	Cat. No.	Form	Size	Package	NOTE
RPMI 1640	EXP0103001	Powder	100L	Bag	With phenol red, L-glutamine;
	EXP0103002	Powder	10L	Bag	Without sodium bicarbonate, HEPES.
	EXP0103003	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium bicarbonate;
	EXP0103004	Liquid	500ml	Bottle	Without HEPES.
Ham's F-12	EXP0102801	Powder	100L	Bag	With phenol red, L-glutamine, sodium pyruvate;
	EXP0102802	Powder	10L	Bag	Without sodium bicarbonate, HEPES.
	EXP0102803	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate;
	EXP0102804	Liquid	500ml	Bottle	Without HEPES.
IMDM	EXP0103101	Powder	100L	Bag	With phenol red, L-glutamine, sodium pyruvate, HEPES;
	EXP0103102	Powder	10L	Bag	Without sodium bicarbonate, α -Thioglycerin, 2-mercaptoethanol.
	EXP0103103	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium pyruvate, HEPES, sodium bicarbonate;
	EXP0103104	Liquid	500ml	Bottle	Without α -Thioglycerin, 2-mercaptoethanol.
M199	EXP0102901	Powder	100L	Bag	With phenol red, L-glutamine, sodium bicarbonate;
	EXP0102902	Powder	10L	Bag	Without sodium pyruvate, HEPES.
	EXP0102903	Liquid	1000ml	Bottle	With phenol red, L-glutamine;
	EXP0102904	Liquid	500ml	Bottle	Without sodium pyruvate, sodium bicarbonate, HEPES.
MEM α , nucleosides	EXP0103301	Powder	100L	Bag	With ribonucleoside, deoxyribonucleoside, phenol red, L-glutamine, sodium bicarbonate;
	EXP0103302	Powder	10L	Bag	Without HEPES.
	EXP0103303	Liquid	1000ml	Bottle	With ribonucleoside, deoxyribonucleoside, phenol red, L-glutamine;
	EXP0103304	Liquid	500ml	Bottle	Without sodium bicarbonate, HEPES.
Leibovitz's L-15	EXP0112301	Powder	100L	Bag	With galactose, phenol red, L-glutamine, sodium pyruvate;
	EXP0112302	Powder	10L	Bag	Without glucose, sodium bicarbonate, HEPES.
	EXP0112303	Liquid	1000ml	Bottle	With galactose, phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate;
	EXP0112304	Liquid	500ml	Bottle	Without glucose, HEPES.
McCoy's 5A	EXP0112401	Powder	100L	Bag	With high glucose, bacterial peptone, phenol red, L-glutamine;
	EXP0112402	Powder	10L	Bag	Without sodium pyruvate, sodium bicarbonate, HEPES.
	EXP0112403	Liquid	1000ml	Bottle	With high glucose, bacterial peptone, phenol red, L-glutamine, sodium bicarbonate;
	EXP0112404	Liquid	500ml	Bottle	Without sodium pyruvate, HEPES.
MEM	EXP0112901	Powder	100L	Bag	With phenol red, L-glutamine, sodium pyruvate;
	EXP0112902	Powder	10L	Bag	Without sodium bicarbonate, HEPES.
	EXP0112903	Liquid	1000ml	Bottle	With phenol red, L-glutamine, sodium pyruvate, sodium bicarbonate;
	EXP0112904	Liquid	500ml	Bottle	Without HEPES.
DPBS	EXP0113001	Powder	100L	Bag	Without calcium ion, magnesium ion and phenol red.
	EXP0113002	Powder	10L	Bag	
	EXP0113003	Liquid	1000ml	Bottle	Without calcium ion, magnesium ion and phenol red.
	EXP0113004	Liquid	500ml	Bottle	

200+

Partners

worldwide

Short list only



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