

Chemically Defined And Animal Component Free Cell Culture Media For CHO Cells

CELLiST™

High-Performance Guaranteed By Best Nutrition Balance

Ajinomoto provides excellent solutions through its CHO cell culture media "CELLiST™" products, which have superior quality and optimal amino acid balance that only Ajinomoto is able to offer.



Product Feature

- ✓ High performance for both cell growth and protein expression
- ✓ Superior filterability and uniformity
- ✓ Trial and bulk size both available
- ✓ Flexible application as a new platform media
- ✓ Manufactured by a cGMP complied factory
- ✓ Rich formulation of high quality amino acids by AJINOMOTO

► Product Information

CELLiST™ Basal media

Model #	Format	Catalog #	Package type	Qty.	With Additives	W/O Additives
BASAL3	Powder	221AD1-1L	1L Aluminum Pouch	27.0g	D- Glucose	L-Glutamine • Sodium hydrogen carbonate Thymidine Hypoxanthine • Poloxamer • Insulin and other growth factors
		211AD1-50L	50L Plastic Drum	1.35kg		
BASAL10	Powder	221BS1-1L	1L Aluminum Pouch	24.3g	D- Glucose	L-Glutamine • Sodium hydrogen carbonate Thymidine Hypoxanthine • Poloxamer • Insulin and other growth factors
		211BS1-50L	50L Plastic Drum	1.22kg		

CELLiST™ Feed media

Model #	Format	Catalog #	Package type	Qty.	With Additives	W/O Additives
FEED2	Powder	222FC1-0.2L	0.2L Aluminum Pouch	22.0g	—	L-Glutamine • D-Glucose • Insulin and other growth factors
		212FC1-10L	10L Plastic Drum	1.10kg		

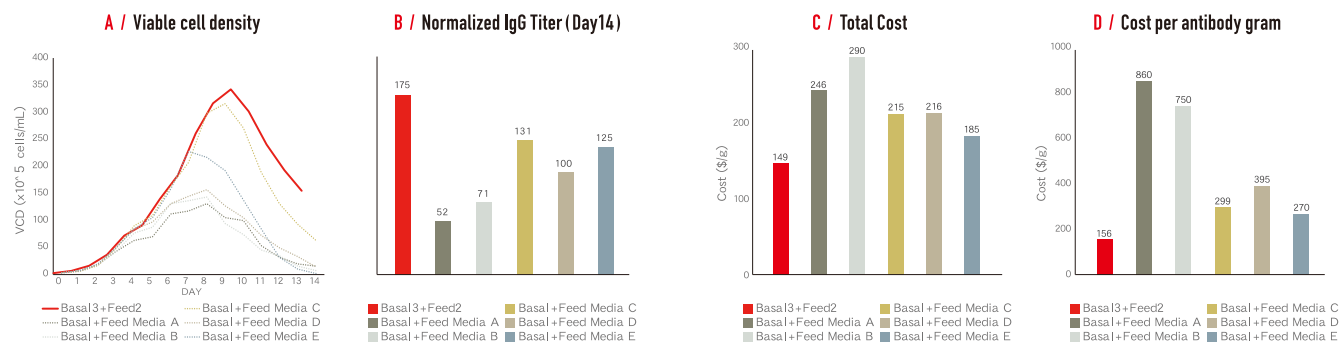
◀ All Products ▶ Storage condition : 2°C- 8°C Dark and Dry

Shelf life : Basal media ••• 36 months, Feed media ••• 36 months (from manufacture date, under proper storage condition)

► Performance

CHO-K1 cell line used:

Fed-batch culture of BASAL3 and FEED2

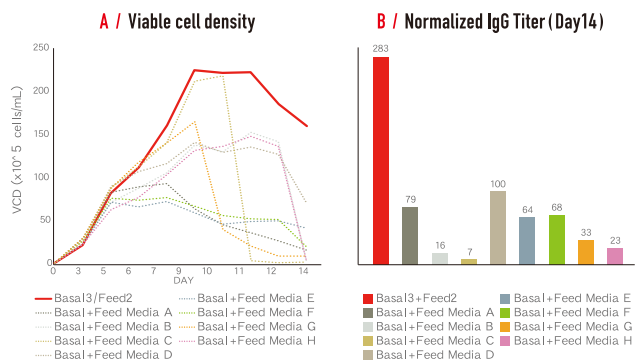


Using CHO-K1 cell line, "BASAL3+FEED2" and other five commercial CD media sets were compared in fed-batch culture. 2% of FEED2 was added on days 4, 6, 8 and 12. Feeding manner for other commercial media sets followed each instruction's recommendation. As a result, our CELLiST™ showed VCD sustained to latter phase and the highest IgG titer compared with others.

Using CHO-K1 cell line, cost comparison was performed using our CELLiST™ and other five commercial CD media sets in fed-batch culture. When the total costs (Basal+Feed) and the cost per 1 g of antibodies (Total cost of each culture medium ÷ Titer for each on final day) are examined, our CELLiST™ can suppress the costs more than others. As reference, to calculate the cost, we referred to the feed manner described in the instructions for each media, and to the price of lab-scale media in the Japanese market.

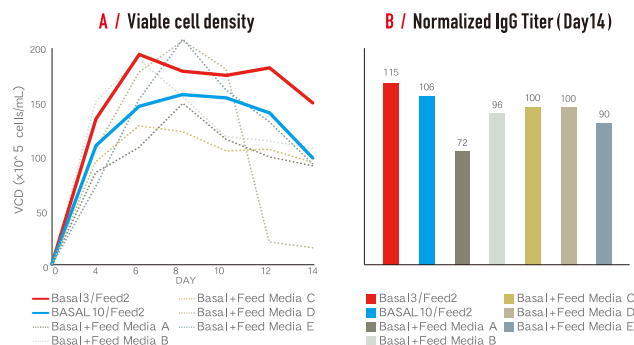
► Performance

CHO DG-44 cell line used:
Fed-batch culture of BASAL3 and FEED2



"BASAL3+FEED2" and other eight commercial CD media sets were evaluated in fed-batch culture. 4% of FEED2 (CELLIST™) was added on days 4, 7, 9 and 11. Feeding manner for other commercial media sets followed each manufacturer's recommendation. As a result, CELLIST™ showed the highest VCD and IgG titer compared to Other media.

CHO-S cell line used:
Fed-batch culture of BASAL3/10 and FEED2



Using CHO-S cell line, combinations of our CELLIST™ and other five commercial CD media sets were compared in fed-batch culture. 4% of FEED2 (CELLIST™) was added on days 4, 6, 8 and 12. Feeding manner for other commercial media sets followed each manufacturer's recommendation. Consequently, CELLIST™ showed higher IgG titer than compared to other media.

► Solution Service

We provide a wide-range of technical support and solutions combined with our CELLIST™ retail products, to meet the needs of our customers, through our customer service center (OCS center, Osong BioValley, South Korea)

- Consultation on culture conditions
- Culture tests and various analysis in our company laboratory
- Support for upstream development including media screening



Customer Service Center (Osong, Korea)

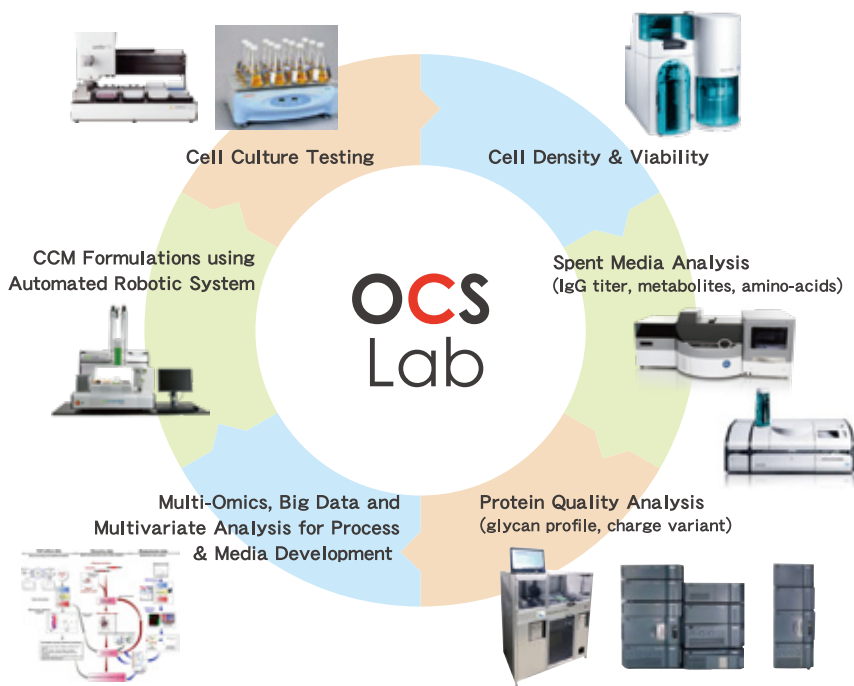


Customer Service Center will be launched in Shanghai, China!

Offer speedy technical support in China!

Operated from Jan, 2022

General Workflow for Media Optimization



Please check this promotion video for more detailed information about OCS. (Language: English and Korean only)



Besides products listed on this catalog, various services regarding cell culture media are available. Please feel free to contact us first.

Contract manufacturing of your designated formulation

Optimized media for your target productivity and quality

One-solution type mix supplement

Classical media (EMEM · DMEM etc.)

〈 For more information 〉

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