

Shortcut to
Official Channel



CELL | STTM

Cell culture media
For better lives



Supplement

Ajinomoto CELLiST Korea Co., Inc.

Ajinomoto CELLiST Korea provides services, such as development and manufacture of animal cell culture media and contract manufacture of media.

Keeping pace with the growth of the Korean biopharmaceutical market, we will continue to grow as a company that contributes to the development of high-quality, high-value-added medicines by providing solutions with high satisfaction based on state-of-the-art technology.



MISSION

We contribute to *medical advancement and better lives* by providing cell culture media



VISION

We will become *the most preferred and trusted cell culture media supplier* in Asia.

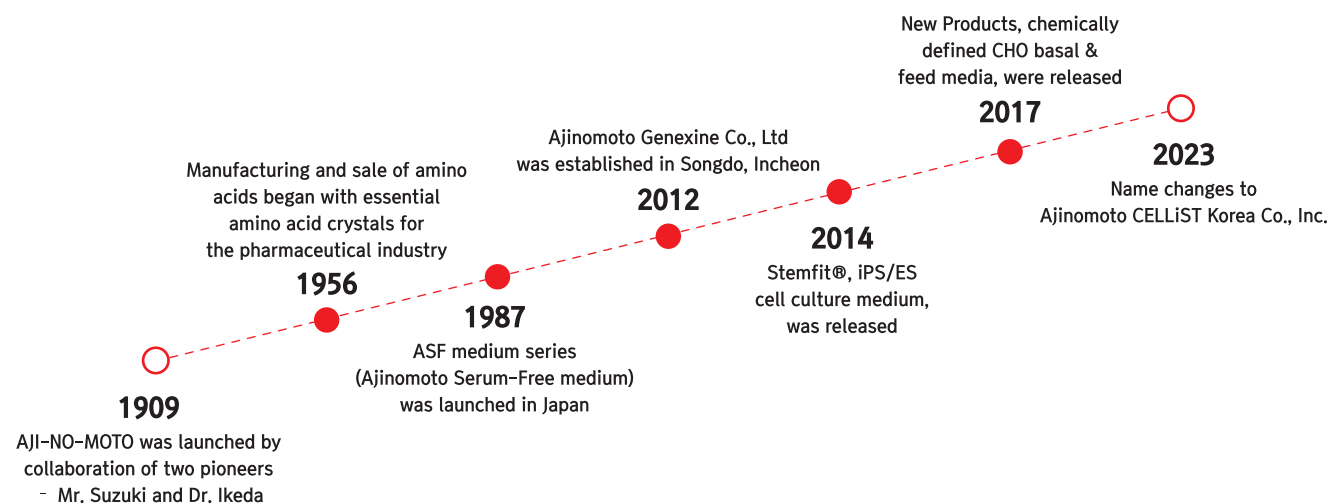


VALUE

Customer-centered culture,
Operational Excellence,
Stable-Speedy-Superb quality

History Cell Culture Media Business History of Ajinomoto

As a leader in amino acid research, we have a long history of over 100 years and with over 30 years of experience in the research and development of cell culture media, we provide high-quality media to our customers.



CELLiST™ SUPPLEMENTS FOR CHO CELLS

Overview

CELLiST provides an ‘all in one’ solution for all your biologics manufacturing needs.
CELLiST is a completely chemically-defined, animal origin-free medium.
CELLiST provides high yield and productivity in all CHO cell lines.
CELLiST incorporates Ajinomoto’s long history of know-how in the development and manufacturing of amino acids and amino acids-related products.



Product Line

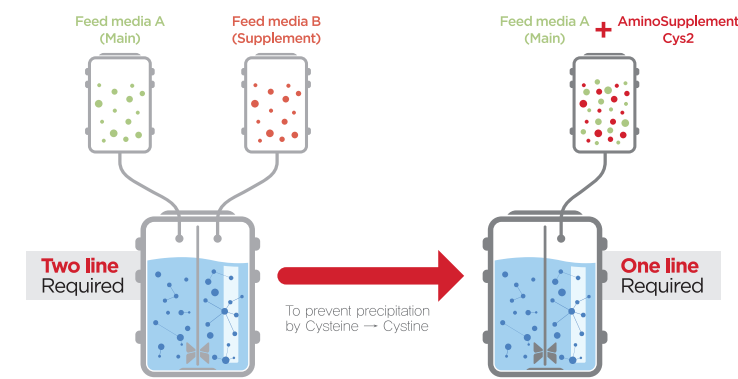
CELLiST™ AminoSupplement

Model #	Format	Catalog #	Package type	Qty.
Cys1	Powder	225SP1-1L	1L Aluminum Pouch	6.61g
Cys2	Powder	225SP2-1L	1L Aluminum Pouch	17.0g

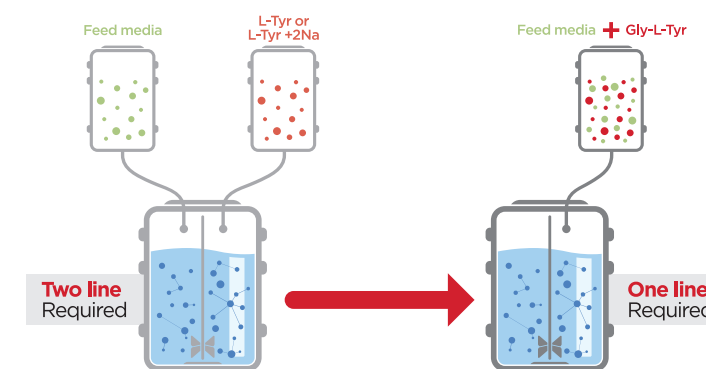
CELLiST™ Supplement

Model #	Format	Catalog #	Package type	Qty.	Main Target
Glycyl L-Tyrosine Dihydrate	Powder	215GLT-20KG	20kg Plastic Drum	20kg	Using this in place of L-Tyr orTyr-2Na allows a single agent with higher solubility of Tyr, leading to process simplification.

Cost-cutting by improved stability



Cost-cutting and high solubility



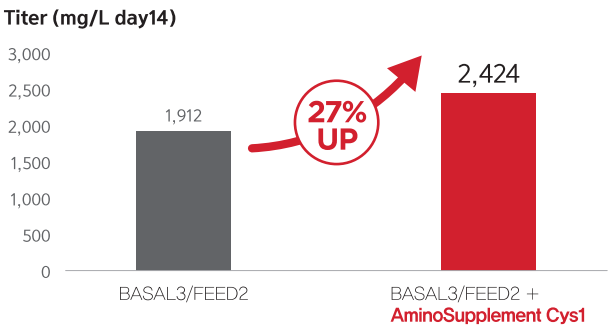
■ CELLiST™ AminoSupplement Cys1/Cys2

■ Overview

CELLiST AminoSupplement Cys1/Cys2 can help customers improve titer and reduce initial & running costs for cell culture by just adding AminoSupplement Cys1/Cys2 into feed media. Our proprietary formulation inhibits cystine formation / precipitation and enhances the Cys source concentration in the media

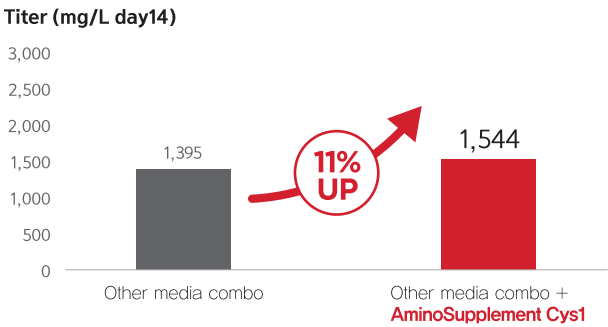
■ Titer improvement

CHO-DG44/ambr®



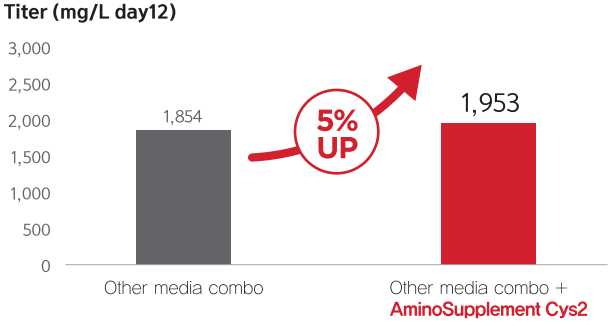
Fed-batch cultures were compared using cells of CHO-DG44, FEED2 was added 5.25% on days 4, 6, 8, 10, and 12 of culture.

CHO-S/ambr®



Fed-batch cultures were compared using cells of CHO-S. Feed media from other companies was added 6% to the basic media from other companies on culture days 4, 6, 8, 10, and 12.

CHO-S/ambr®



Fed-batch cultures were compared using cells of CHO-S. Feed media from other companies was added 4.5% to the basic media from other companies on cultures 4, 6, 8, 10, and 12 days.

■ CELLiST™ Glycyl-L-Tyrosine Dihydrate

■ Overview

CELLiST™ offers a comprehensive solution for all your biologics manufacturing requirements. CELLiST™ Glycyl-L-Tyrosine Dihydrate (Gly-L-Tyr) provides exceptional solubility, enhancing the overall available tyrosine source, which is a critical component for cell growth and productivity. Gly-L-Tyr solubility surpasses that of traditional L-Tyrosine. Incorporating CELLiST™ Gly-L-Tyr into the manufacturing processes removes the need for two separate feeding lines, resulting in a simple, robust and cost-effective workflow. This product was developed by Ajinomoto Group, leveraging years of experience in amino acids science and bioprocess design, as well as high-quality raw materials production capabilities.

■ Advantages

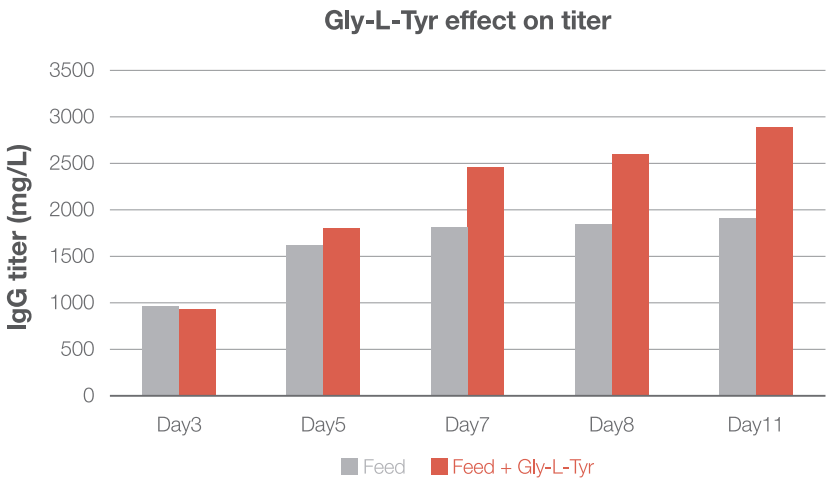
Gly-L-Tyr is an effective tyrosine source with high solubility

CELLiST™ Glycyl-L-Tyrosine Dihydrate is a highly-soluble and effective tyrosine source, which is an essential ingredient for biologics manufacturing. Unlike other tyrosine sources, such as L-Tyrosine disodium salt dihydrate (L-Tyr+2Na), which requires an alkaline pH and presents challenges during dissolution, Gly-L-Tyr provides optimal solubility without compromising pH conditions.

	L-Tyrosine	Gly-L-Tyr
Solubility at 25°C	0.479g/L	36.9g/L

Optimized tyrosine source for improved productivity

The addition of Gly-L-Tyr to the process optimizes tyrosine source supply to the cell culture and results in significant improvement to the performance and productivity of the feb-batch process. The graph below shows the increase in productivity (titer) for a fed-batch CHO cell culture.



To view the entire brochure



To view the entire brochure

■ CELLiST™ AAV Production Supplement 1

■ Unlock the Future of Gene Therapy with CELLiST™

Boosts Genome Titer

Our supplement significantly enhances VG titer, leading to superior AAV production efficiency.

Streamlined Supplement Strategy

Designed for versatility CELLiST™ AAV Production Supplement 1 seamlessly integrates with various commercial media and offers a simple and effective supplementation approach, ensuring enhanced performance.

Proven Track Record of Success

Endorsed by industry leaders such as Forge Biologics, CELLiST™ consistently delivers reliable results in gene therapy programs, demonstrating its effectiveness and trustworthiness in the field.

■ Quality & Reliability : Our Commitment to Excellence

Animal Origin Free (AOF) Assurance

CELLiST™ ensures top quality and safety. Our AAV Production Supplement 1 is Chemically-defined and guaranteed to be Animal Origin Free (AOF), to ensure consistent quality.

Rapid Delivery: Short Lead Times & Stable Supply

We respect your time and needs. Enjoy rapid delivery with a 2-week lead time for in-stock items and 6 months for out-of-stock products.

GMP-compliant manufacturing

CELLiST™ guarantees excellence through GMP-compliant manufacturing, ensuring consistent quality and minimizing contamination risks for reliable gene therapy production.

■ Specifications

Product	AAV Production Supplement 1
Catalog No.	225SP3-0.2L
Packaging Information	0.2L
Storage Condition	Store refrigerated (2°C-8°C). After reconstitution, store in a light-protected, sealed container
Shelf Life	24 months
Item Description	Powder, Does not contain glucose

■ Data-Driven Success : Viral Production Performance

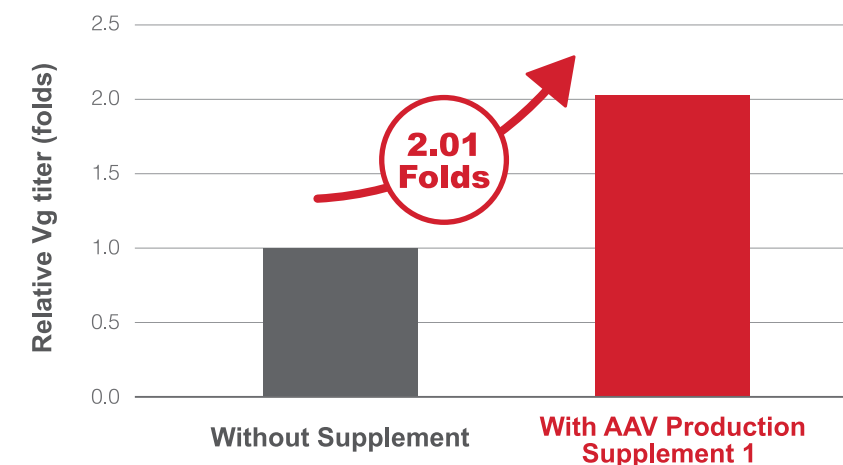


Figure 1. The addition of CELLiST™ AAV Production Supplement 1 resulted in more than a two-fold increase in VG titer, confirming its effectiveness in viral production. CELLiST™ AAV Production Supplement 1 was added to designated groups, while control groups were cultured without the supplement.

■ Related Products

Products	Type	Features
CELLiST™ HEK293 AAV Production Medium	Basal Medium	Chemically defined, Animal Origin Free medium tailored to HEK293-based AAV production, supporting optimal cellular energy metabolism to enhance cell proliferation, virus genome production, and improve full capsid proportion



■ Sales Support

For quoting, ordering, product sample request

■CELLiST™ Sales Team

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Mail: sales@ajinomotocellist.com

■ Global CELLiST Solution Centers



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Eat Well, Live Well.



www.ajinomotocellistkorea.com