

CELL | ST™

Cell culture media
For better lives

CELLiST™ BASAL10 / BASAL10P

Shortcut to
Official Channel



CELLiST™ BASAL10 / BASAL10P

Overview

CELLiST™ BASAL10 is a high-performance growth medium specifically designed to support robust cell growth and viability in various CHO cell lines. This chemically defined medium, free from animal-derived components, ensures consistent and reliable results across different production batches. Leveraging Ajinomoto's extensive expertise in developing and manufacturing amino acids, CELLiST™ BASAL10 provides everything your CHO cell line needs for stable, high-yield protein production. Suitable for use with any CHO cell line, CELLiST™ BASAL10 offers a comprehensive solution for biopharmaceutical production with superior quality and reproducibility.



CELLiST™ BASAL10 Features	Benefits
Enriched with amino acids for enhanced cell growth.	Rapid cell proliferation, achieving higher cell densities faster.
Versatility across cell lines.	Compatible with a wide range CHO cell line, including CHO-K1, CHO-GS, CHO-S and their derivatives.
Chemically defined, protein-free medium with no animal-derived components.	Reduces risk of viral contamination, ensures batch consistency.
Supplied in fine powder form.	Easy to dissolve and allows for prolonged shelf life and ease of transportation.
Available in test samples and bulk sizes.	Flexibility according to usage requirements.
Suitable for batch, fed-batch, and perfusion cell cultures, at any scale.	Versatility across cell culture processes and scales.

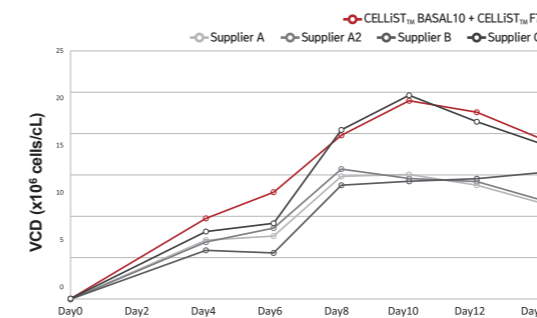
BASAL10 Product List

Product	Catalog No.	Specification	Amount	Packaging Information
BASAL10	BS1	-	24.3 g/L	1L / 50L
BASAL10P	BS4	Includes Poloxamer	25.3 g/L	1L / 50L

Cell Culture Performance

Comparative studies show superior culture growth and productivity with the CELLiST™ BASAL10 + CELLiST™ F7 media combination. In a fed-batch process using a CHO-K1 cell line expressing IgG1 antibody, our media outperforms top global competitors in viable cell density and IgG titer.

Cell Growth



Protein Production

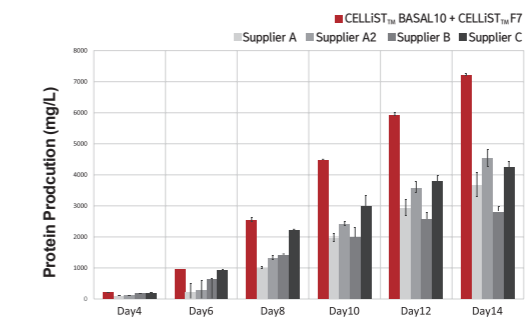


Figure 1. Fed-batch process was performed in a 125 mL Erlenmeyer flask system, using CHO-K1 cell line expressing IgG1 antibody. Feeding in CELLiST™ group was performed at a concentration of 6% (v/v) on day 4, 6, 8, 10 and 12.

A, A2, B and C represent basal/feed media combinations from major media suppliers. Culture and feeding manners were performed according to each manufacturer's recommendations.

Other Products

Products	Type	Features
CELLiST™ F7	Feed medium	High-performance, all-in-one feed media that easily dissolves and remains stable at neutral pH, thanks to Ajinomoto Group's unique cysteine-stabilization technology. This enhances cysteine availability, boosting performance and enabling hassle-free, single-agent feeding.
AminoSupplement Cys1	Feed medium supplement	Performance-enhancing supplement for any single-agent feed media, improving culture performance and stability with Ajinomoto Group's unique cysteine stabilization technology.
AminoSupplement Cys2	Feed medium supplement	Performance-enhancing supplement that eliminates the need for high-pH feeding in <u>dual-agent feed media</u> . Easily added at neutral pH, ensuring high stability and simplified processes.
Supplement Gly-L-Tyr	Feed medium supplement	Highly soluble tyrosine supplement that boosts tyrosine concentrations for any neutral pH feeding process, enhancing culture growth without solubility concerns.

Sales & Technical Support

CELLiST™ Sales Team

Tel: +82-032-210-2600 Mail: sales@ajinomotocellist.com

CELLiST™ Solution Center Korea

70, Songdogwahak-ro, Yeonsu-gu, Incheon, Republic of Korea
Tel: +82-32-210-2695 Fax: +82-32-210-2607
Mail: yaron.silberberg.dk2@asv.ajinomoto.com

CELLiST™ Solution Center India (CSC-IN)

2nd Floor, Block 05, TIMES CORPORATE PARK Thaltej, Ahmedabad, Gujarat 380058, India
Tel: +91-87359-10813 Mail: parshadg.hirapara.ut3@asv.ajinomoto.com

CELLiST™ Solution Center China (CSC-CN)

Room 501, Building 9, NO.185 Jiangnan East Road, Songjiang District, Shanghai, China
Tel: +86-21-6219-2705 Mail: mingqi_fan@ajinomoto.com.cn



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