

Eden CHO CD Media

Optimized CD Media for High Protein Production in CHO Cell Culture

CHO (Chinese Hamster Ovary) cells are widely used for producing antibodies and recombinant proteins due to their suitability for large-scale suspension culture, high protein yields and mammalian post-translational modifications. In 1998, BioEngine pioneered the development of the first serum-free media for CHO cells in China, mastering key technologies for large-scale suspension culture and gaining invaluable project experience. To address growing market demands, BioEngine introduced the *Eden* series CHO CD media in 2018. This media has been continuously optimized and successfully applied in dozens clinical projects.

Additionally, BioEngine offers comprehensive solutions for CHO cell culture, including transient protein expression kits, serum-free media for cell line development, fed-batch media combinations for large-scale production, and tuners for quality adjustment.

Features

- SF, PF, ADCF, CD
- DMF Filing
- Universality: Support the culture of various CHO cell lines (CHO-K1, CHOZN, Horizon, CHO-S, CHO-DG44, etc.) in fed-batch, concentrated fed-batch and perfusion cultures

Advantages



- **High Yield:** *Eden* media increase antibody/protein yield by an average of 30%, achieving impressive yields of up to 14g/L in fed-batch culture, and reducing production costs
- **Glycosylation Control:** Our optimized medium formulation allows precise glycosylation fine-tuning, with various tuner products available
- **Regulatory Compliance:** ISO13485:2016 and MDSAP certified manufacturing, meeting compliance requirements in Europe and the US. Completed data supports IND/CTA and BLA/NDA applications.
- **Stable Quality:** Advanced CPM (Cone Mix and Pin Mill) process enables excellent batch consistency (Cpk \geq 1.33, RSD < 5%)*
- **Professional Support:** Expert team with extensive project experience provides comprehensive technical support and solutions to ensure your success in CHO cell culture



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*Critical indicator Cpk \geq 1.33. Cpk is a standard index to state the capability of one process. Cpk \geq 1.33 indicates the process is capable and meets specification limits. PPM mixing uniformity RSD < 5%. RSD refers to relative standard deviation, lower RSD indicates reduced variability in the production process.

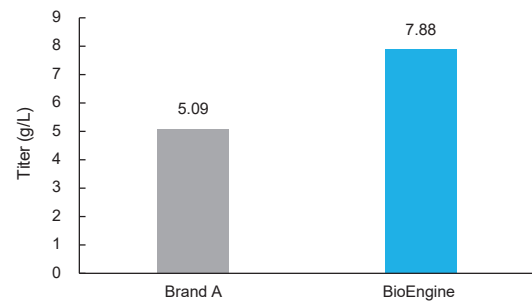
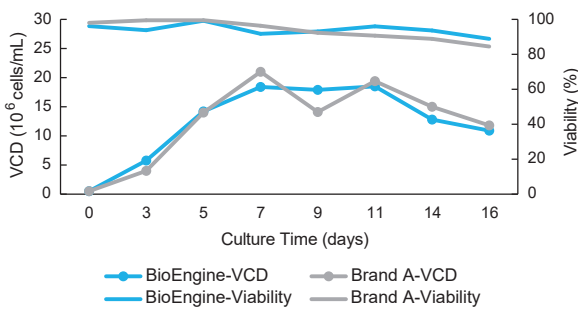
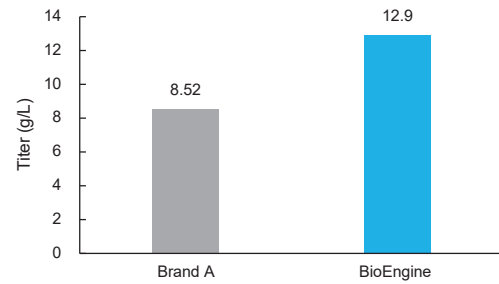
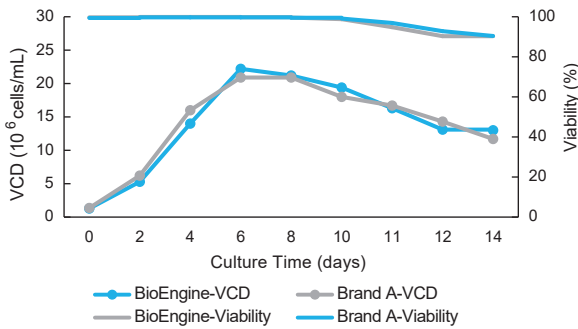
Ordering Information

Media Kit	Product	Cat. No.	Form	Size	Packaging	Notes
Eden 100 Kit new	Eden B100S Basal Medium	EXP0116401	Powder	200L	Bag	<ul style="list-style-type: none"> ● SF, PF, ADCF, CD ● Recommended for culturing CHOZN*, CHO-K1, CHO-S cells <p>*Cytokines (Insulin/IGF) are needed when culturing CHOZN.</p>
	Eden F100aS Feed Medium	EXP0116501	Powder	20L	Bag	
	Eden F100bS Feed Medium	EXP0116601	Powder	20L	Bag	
		EXP0116602	Powder	1L	Bag	
		EXP0115601	Powder	200L	Bag	
Eden 601 Kit 🔥	Eden B601S Basal Medium	EXP0115602	Powder	100L	Bag	<ul style="list-style-type: none"> ● SF, PF, ADCF, CD ● Recommended for culturing CHO-K1, Horizon, CHO-S, CHO-DG44 cells
	Eden F602aS Feed Medium	EXP0115701	Powder	20L	Bag	
		EXP0115702	Powder	1L	Bag	
	Eden F600bS Feed Medium	EXP0108801	Powder	10L	Bag	
		EXP0108802	Powder	1L	Bag	
Tuner Product	Cat. No.	Form	Size	Packaging	Notes	
Tuner-Sia	EXP0119101	Powder	100g	Bag	For modulating sialylation of antibody	
Tuner-Gal	EXP0119201 	Liquid	1L	Bottle	For modulating galactosylation of antibody	
	EXP0119202 	Liquid	100mL	Bottle		

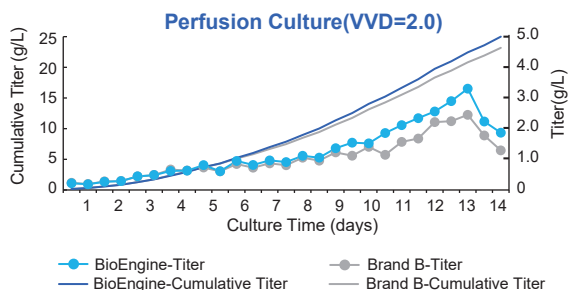
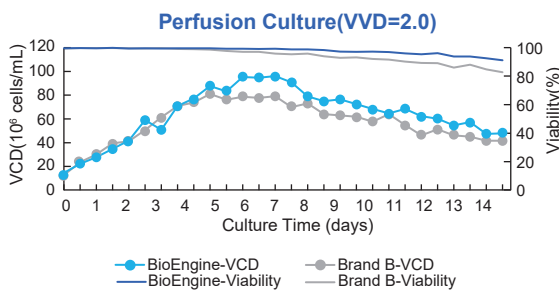
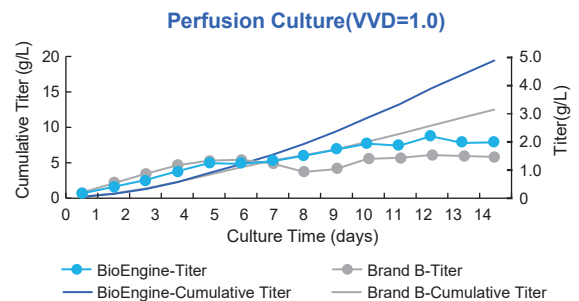
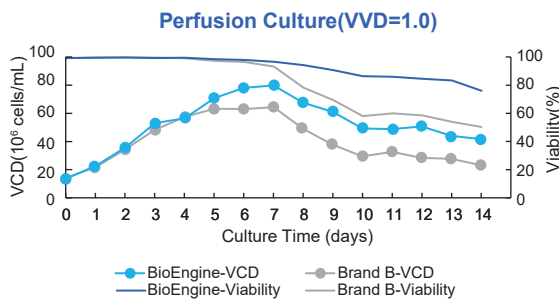
To adjust other CQAs, please contact the BioEngine technical support team.

Performance

☉ In fed-batch culture process, *Eden* CHO CD media demonstrated a significant increase in protein titer while maintaining better cell viability. In these two projects, the antibody yields reached 12.9 g/L (day 14) and 7.88 g/L (day 16), representing increases of 51.4% and 54.9%, respectively, compared to competing products. This has effectively reduced the customer's production costs.



☉ In perfusion culture process, *Eden* CHO CD media outperformed other brands with superior productivity. At VVD=1.0, it achieved 2.2g/L/day Vp and 19g/L cumulative product expression in 14 days, 55% higher than Brand B. At VVD=2.0, it reached 3.3g/L/day Vp and 25g/L cumulative product expression in 14 days.



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