

Eden CHO CD Media

Optimized CD media for high protein production in CHO cell culture

As early as 1998, BioEngine developed the first serum-free medium for CHO cells in China. With deep understanding of the key technologies and parameters of large-scale culture of CHO cells, BioEngine has continuously upgraded and optimized the medium formulation and manufacturing process. Based on rich project experience and innovative iBioG-Med medium development platform, the first *Eden* CHO CD medium was launched in 2018 to promote a high productivity in large-scale CHO cell culture. So far, *Eden* CHO CD media have been applied to 70+ clinical projects.

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, meeting compliance requirements in Europe and the US. Traceable data supports IND and BLA applications.
- Stable Quality:** Our "2 local + 1 imported" raw material suppliers model ensures stability of supply chain. Advanced CMPM (Cone Mix and Pin Mill) process enables excellent batch consistency.
- 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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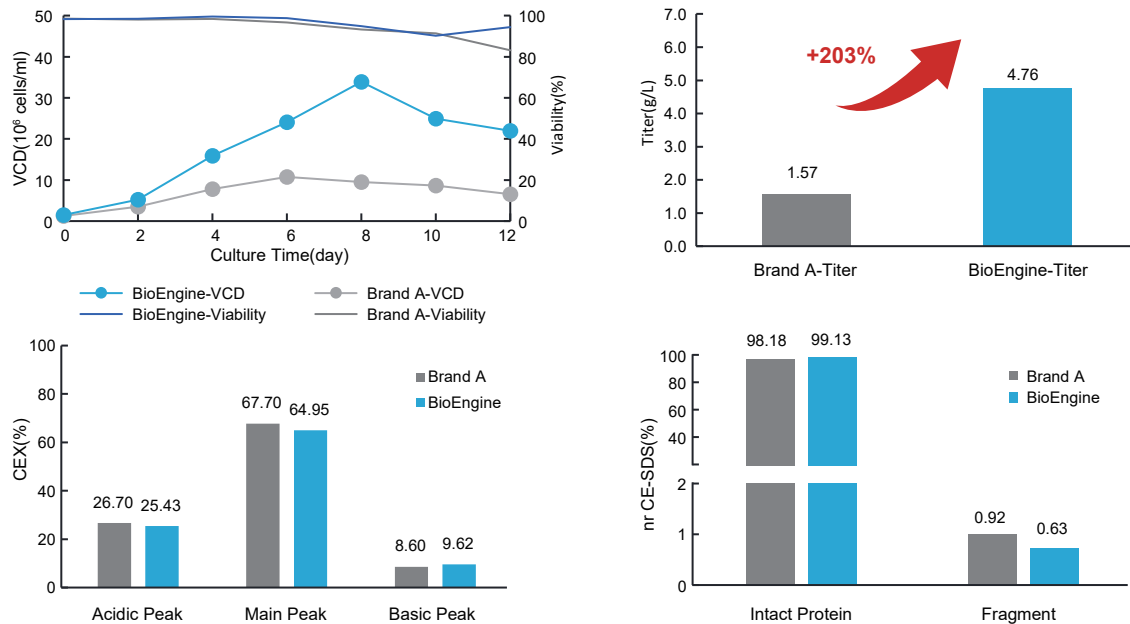
Ordering Information

Media Kit	Product	Cat. No.	Form	Size	Packaging	Notes
Eden 100 Kit new	Eden B100S Basal Medium	EXP0116401	Powder	200L	Bag	• Serum-free • Protein-free • Animal-derived Component-free • Chemically-defined • Recommended for culturing CHOZN*, CHO-K1, CHO-S cells *Cytokines (Insulin/IGF) are needed when culturing CHOZN.
		EXP0116402	Powder	10L	Bag	
	Eden F100aS Feed Medium	EXP0116501	Powder	20L	Bag	
		EXP0116502	Powder	1L	Bag	
	Eden F100bS Feed Medium	EXP0116601	Powder	20L	Bag	
		EXP0116602	Powder	1L	Bag	
Eden 601 Kit 🔥	Eden B601S Basal Medium	EXP0115601	Powder	200L	Bag	• Serum-free • Protein-free • Animal-derived Component-free • Chemically-defined • Recommended for culturing CHO-K1, Horizon, CHO-S, CHO-DG44 cells
		EXP0115602	Powder	100L	Bag	
		EXP0115603	Powder	10L	Bag	
	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		
Tuner-Lac	TP0200401E	Liquid	200ml	Bottle	Induce lactate consumption in the later stage of cell cultures	

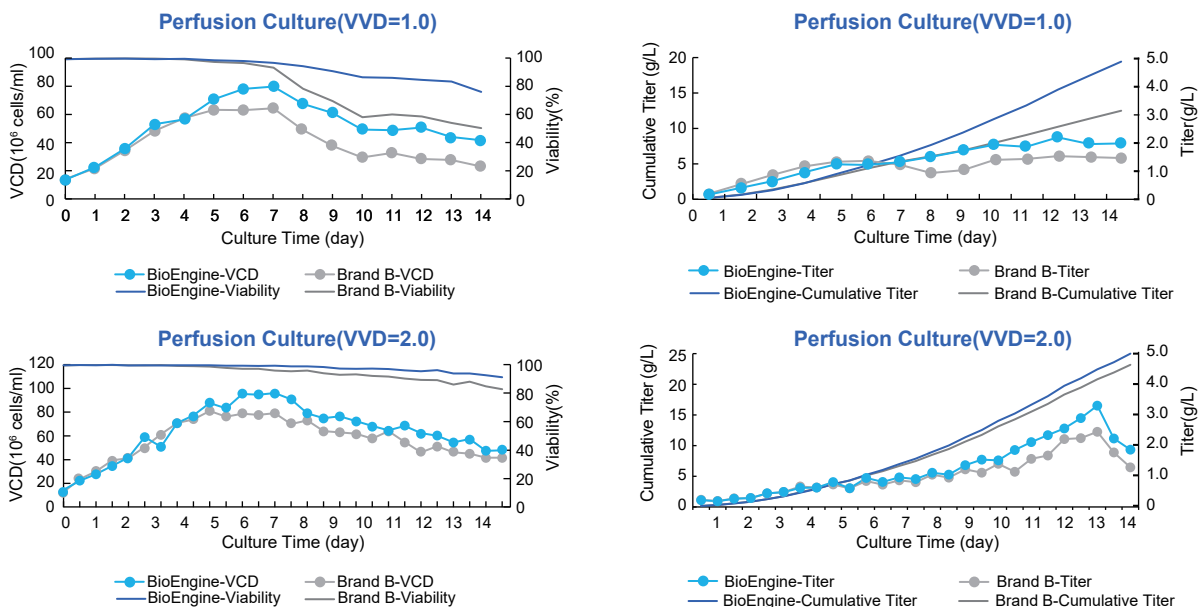
To adjust other parameters, please contact BioEngine technical team.

Performance

- In fed-batch culture process, *Eden* CHO CD media demonstrated significant improvements, including enhanced cell growth rate, maximum viable cell density, and cell viability at harvest. The yield has tripled compared to Brand A, while meeting the customer's requirements on quality attributes, including charge distribution and aggregation. 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 2.2 g/L/day Vp and 19 g/L cumulative product expression in 14 days, 55% higher than Brand B. At VVD=2.0, it reached 3.3 g/L/day Vp and 25 g/L cumulative product expression in 14 days.



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



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