

Eden CD CHO 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* CD CHO medium was launched in 2018 to promote a high productivity in largescale CHO cell culture. So far, Eden CD CHO media have been applied to 60+ clinical projects.

Features

- Animal derived component-free
- Protein-free/Peptide ingredients-free
- Chemically Defined
- DMF Filing in Progress
- Universality: Support the culture of various CHO cell lines (CHO-K1, CHOZN, Horizon, CHO-S, CHODG44, etc.) in fed-batch, intensified fed-batch and perfusion modes



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Advantages

- Equivalent or superior performance to global brand products with better price and lead time;
- 4 advanced CPM powder media production lines to meet different customer demand with high inter-batch consistency (CPK*>1.33);
- Safe and compliant: chemically defined formulation minimizes the potential of contamination from animal-derived components and meets relevant compliance and regulatory requirements;
- EU certified ISO13485:2016 QMS, all data are traceable;
- Full documents support for IND application;
- Strictly selected the "2 domestic+1 imported" raw material supplier model to ensure a stable and reliable supply chain.

*CPK is a standard index to state the capability of one process.

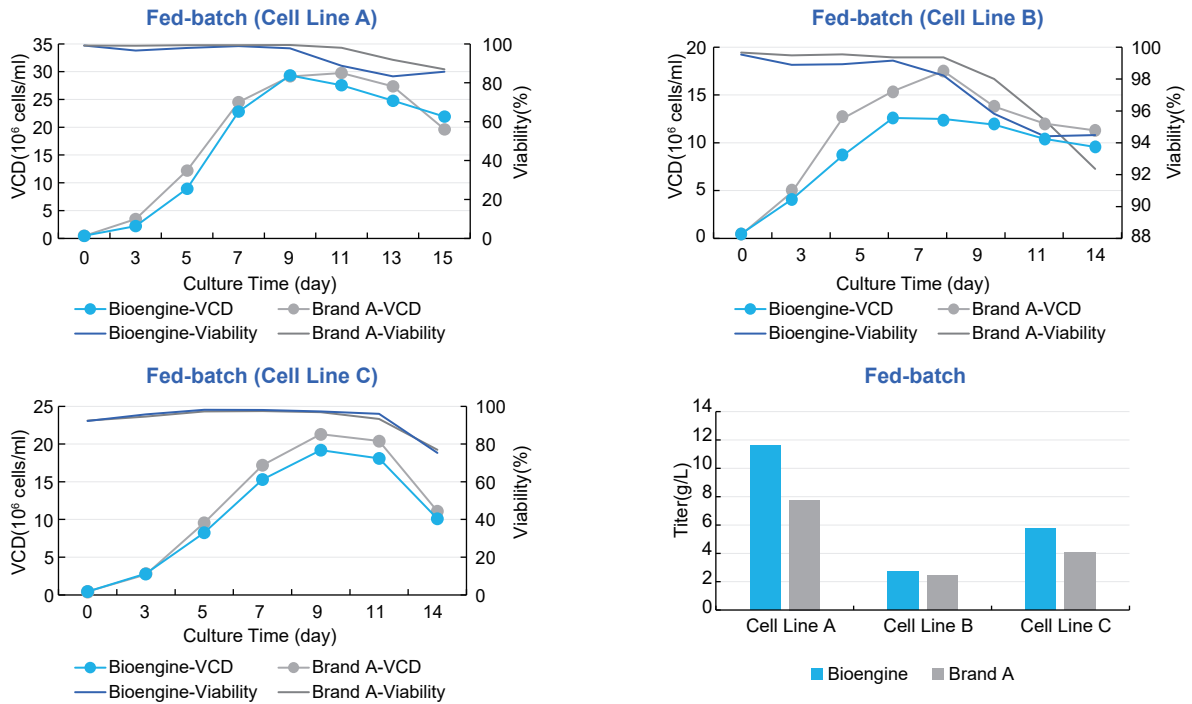
CPK>=1.33: the process is capable and meets specification limits. The higher the CPK, the better.

Ordering Information

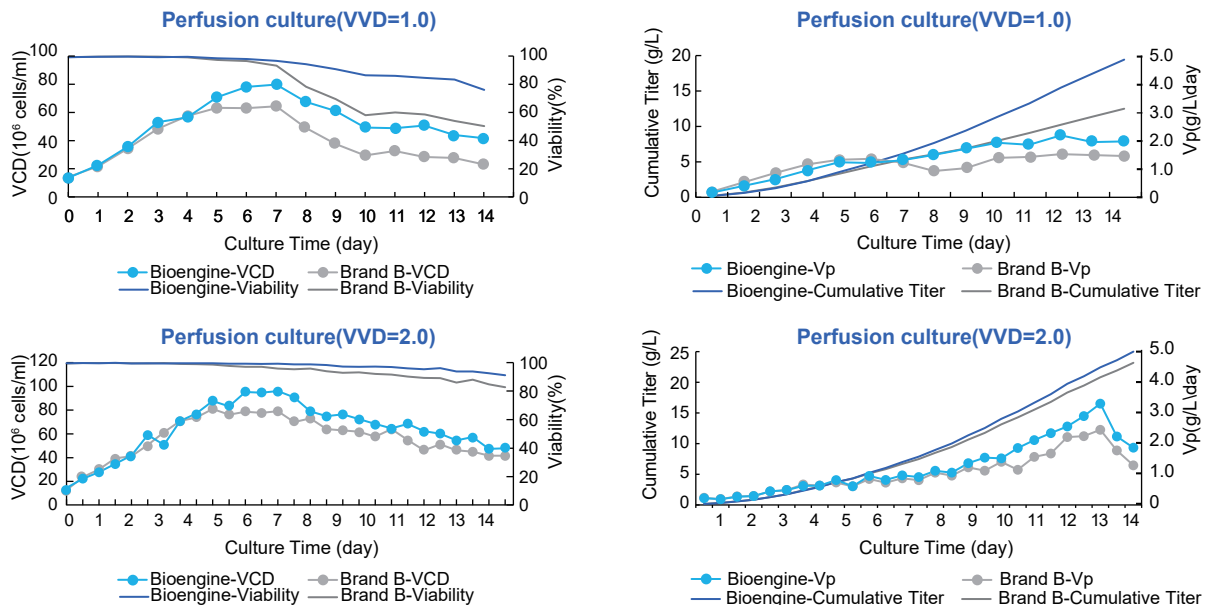
Product Name	Cat. No.	Form	Size	Package	Product Name	Cat. No.	Form	Size	Package
<i>Eden B600S</i> Basal Medium 	EXP0109901	Powder	10L	Bag	<i>Eden F601aS</i> Feed Medium 	EXP0112101	Powder	20L	Bag
	EXP0109902	Powder	200L	Bag		EXP0112102	Powder	10L	Bag
<i>Eden B501S</i> Basal Medium	EXP0106001	Powder	10L	Bag		EXP0112103	Powder	1L	Bag
	EXP0106002	Powder	200L	Bag	<i>Eden F600aS</i> Feed Medium 	EXP0108901	Powder	20L	Bag
<i>Eden B401S</i> Basal Medium	EXP0105901	Powder	10L	Bag		EXP0108902	Powder	10L	Bag
	EXP0105902	Powder	100L	Bag	EXP0108903	Powder	1L	Bag	
	EXP0105903	Powder	200L	Bag	<i>Eden F500aS</i> Feed Medium	EXP0105001	Powder	1L	Bag
<i>Eden B300S</i> Basal Medium	EXP0107901	Powder	100L	Bag		EXP0105002	Powder	20L	Bag
	EXP0107902	Powder	200L	Bag	<i>Eden F400aS</i> Feed Medium	EXP0104801	Powder	1L	Bag
	EXP0107903	Powder	10L	Bag		EXP0104802	Powder	20L	Bag
					<i>Eden F600bS</i> Feed Medium 	EXP0108801	Powder	10L	Bag
						EXP0108802	Powder	1L	Bag
					<i>Eden F200bS</i> Feed Medium	EXP0104601	Powder	1L	Bag
						EXP0104602	Powder	10L	Bag
						EXP0104603	Powder	20L	Bag
						EXP0104604	Powder	50L	Bag

Performance

In fed-batch mode, CHO cells cultured in *Eden* CD CHO media demonstrate higher viable cell density (VCD) and protein production than global brand A. Antibody titer of different CHO cell lines adapted in *Eden* CD CHO media reached 2-11 g/L.



In pulse perfusion mode, CHO cell cultures in *Eden* CD CHO media demonstrated superior performance than competitive global brands. When VVD=1.0, volumetric productivity (Vp) can reach up to 2.2 g/L/day, and the cumulative product expression in 14 days can reach 19 g/L, 55% higher than global brand B. When VVD=2.0, Vp can reach up to 3.3g/L/day, and the cumulative product expression in 14 days can reach 25 g/L.



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



BioEngine Official Website

Add.: Floor 5, Building 1, Lane 720, Cailun Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai, PRC

Tel.: (86)21-68582660

Web.: www.bio-engine.com.cn

E-mail: marketing@bio-engine.com.cn