

Vigor-S101S Insect Cell Serum-Free Media

Serum-free media specially developed for efficient large-scale culture of insect cells

BioEngine team started to research techniques for the culture of insect cells (Sf9, High five) in 1995 and successfully developed the first serum-free medium for insect cells in 1998. Based on more than 20 years of technology accumulation and an AI high-throughput data screening platform, BioEngine now releases the latest *Vigor* series serum-free media for insect cells to meet customer's demand for high-efficient large-scale culture of insect cells. The *Vigor* series serum-free media for insect cells have been applied in large-scale manufacturing of a variety of products including COVID-19 vaccines and VLPs.

Features

- Animal-derived component-free
- Serum-free and protein-free
- Suitable for both Sf9 and High five cells
- Available for high-density culture of insect cells
- Available for high protein expression in insect cells
- Available in powder media or liquid media




Advantages

- Animal derived component-free, TSE/BSE statement available on demand;
- Distinctive culture results proven in numerous studies
- Easy to use powder media for large-scale manufacturing;
- Powder media capable of 60,000 L batch size;
- Excellent inter-batch consistency (CPK*>1.33);
- Full traceability by EU certified ISO13485:2016 Quality Management System;
- Complete documents in support of CTA for easier regulatory submission.

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

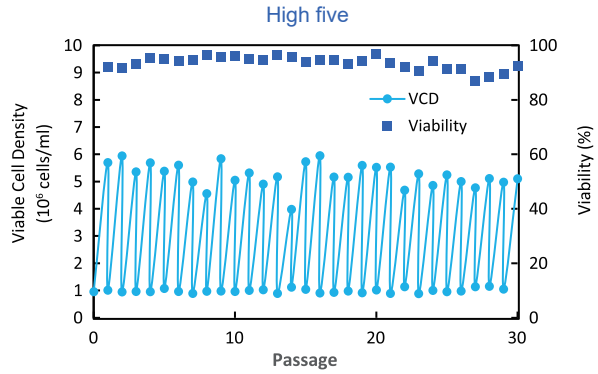
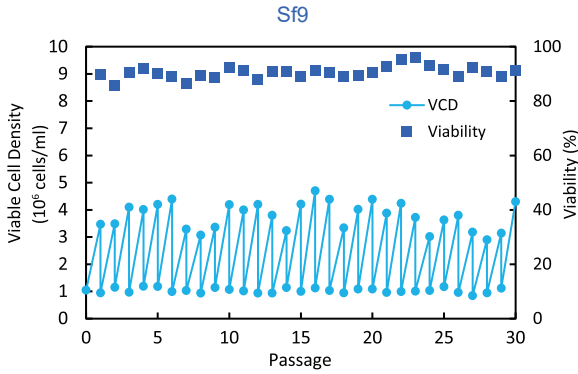
CPK>=1.33: the process is capable and meets specification limits. The higher the CPK,the better.

Ordering Information

Product Name	Cat. No.	Form	Size	Package	NOTE
Vigor-S101 Insect Cell Serum-free Medium	EXP0102201	Liquid	1L	Bottle	
Vigor-S101S Insect Cell Serum-free Medium 	EXP0107401	Powder	100L	Bag	
	EXP0107403	Powder	5L	Bag	
Vigor-S101S Additive	EXP0107501	Liquid	100ml	Bottle	Use with EXP0107401
	EXP0107503	Liquid	5ml	Tube	Use with EXP0107403

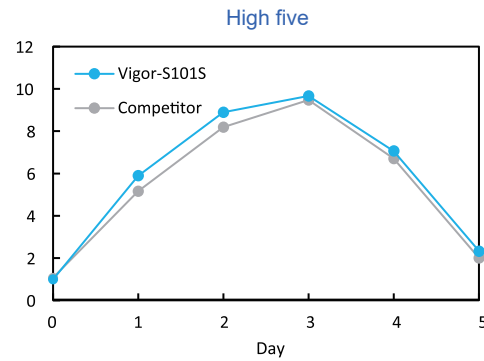
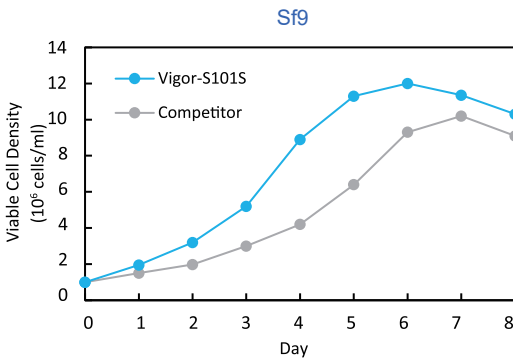
Performance

- Inoculated with 1×10^6 cells/ml and passaged every 48 h in *Vigor-S101S*, Sf9 cell density reached $3\text{-}5 \times 10^6$ cells/ml (doubling time of 21-30 h) and High five cell density reached $5\text{-}7 \times 10^6$ cells/ml (doubling time of 17-21 h). Indicating *Vigor-S101S* allows for long-term stable passage.

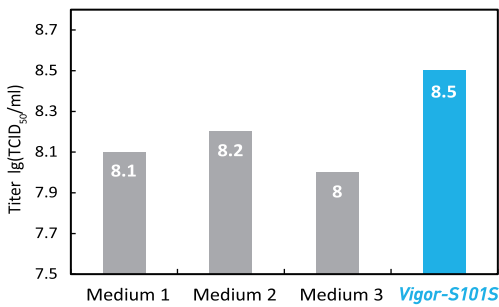


- Sf9 cells in *Vigor-S101S* reached a maximum density of $12\text{-}14 \times 10^6$ cells/ml, with a faster growth rate, higher density and longer maintenance time than in a global brand medium.

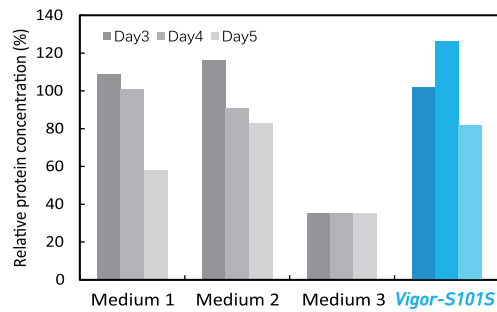
The density of High five cells in *Vigor-S101S* reached a maximum of $9\text{-}11 \times 10^6$ cells/ml, which was consistent with the level in a medium of well-known brand dedicated to High five culture.



- Vigor-S101S* outperformed similar products on the market in terms of titer when using Sf9 cells to produce baculovirus.



- Vigor-S101S* showed advantages in expressing protein yield using High five cells.



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