

Tac-S101S BHK Serum-Free Media

A serum-free medium especially developed for BHK cell culture

Tac-S101S BHK cell medium is a serum-free medium independently developed by Shanghai BioEngine Sci-Tech Co., Ltd., and it is an ideal choice for culturing BHK cells from laboratory to large-scale suspension. *Tac-S101S* with *SF206* BHK cell serum-free feed medium enables rapid growth of BHK cells and supports efficient replication of pseudorabies viruses, rabies viruses, Newcastle disease viruses, and other viruses while guaranteeing the safety and reliability of the production process.

Features

- Serum-free
- Protein-free
- Animal-derived component-free
- Supporting rapid suspension adaptation and high-density culture of BHK cells
- Supporting efficient amplification of pseudorabies, rabies, and Newcastle disease viruses



Tac BHK Serum-Free Medium

Advantages

- Animal-derived component-free; TSE/BSE statement available on demand;
- Distinctive culture results proven in numerous studies;
- Optional powder media for use in large-scale manufacturing with easy preparation procedures;
- Powder media capable of a single batch size of 100,000 L;
- 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: Process Capability Index; a CPK>1.33 indicates good process control and small inter-batch difference in products

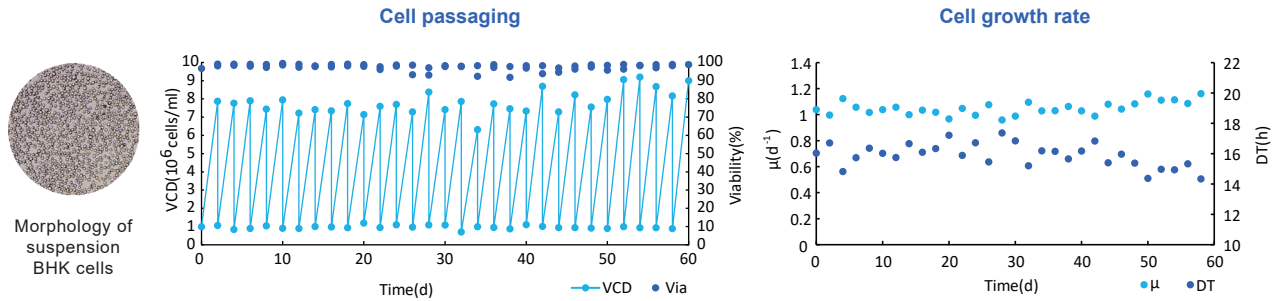
Ordering Information

Product Name	Cat. No.	Form	Size	Package	Other
<i>Tac-S101</i> BHK Serum-Free Medium	EXP0102001	Liquid	1L	Bottle	Recommended to use with <i>SF206</i> for a better culture
	EXP0102003	Powder	10L	Bag	
<i>Tac-S101S</i> BHK Serum-Free Medium	EXP0102004	Powder	100L	Bag	
	EXP0102005	Powder	200L	Bag	
<i>SF206</i> BHK Serum-Free Feed Medium	EXP0105103	Liquid	500ml	Bottle	
	EXP0105101	Powder	1L	Bag	Use with <i>Tac-S101</i>
	EXP0105102	Powder	10L	Bag	

Performance

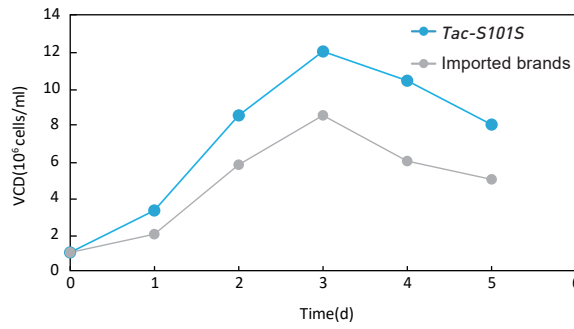
Cell passaging

BHK cells were stably passaged in *Tac-S101S* medium with a cell doubling time of 14-17 h. The cells were in a stable state with uniform cell diameter, and cells were individually dispersed without clumping.



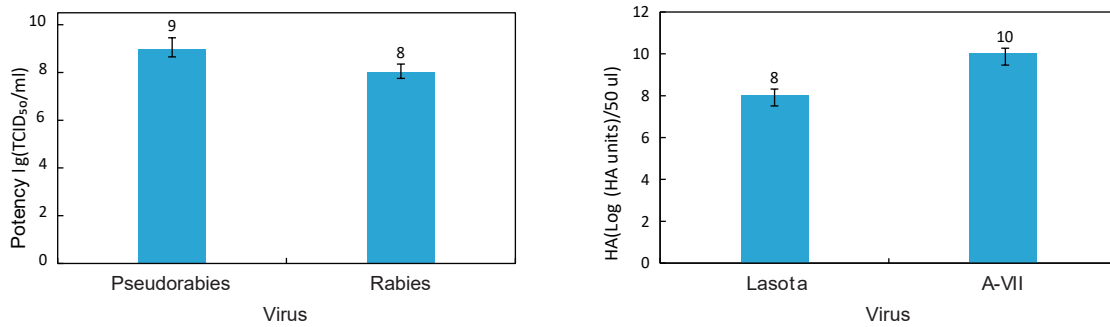
Batch culture

The cell density of BHK cells in *Tac-S101S* medium can reach a maximum of 10×10⁶ cells/ml, with a faster growth rate, higher density, and better maintenance compared to imported brands.



Virus production

Pseudorabies virus can be produced with a titer of about 9.0 TCID₅₀/ml using *Tac-S101S* medium; rabies virus can be produced with a titer of about 8.0 TCID₅₀/ml; Newcastle disease virus can be produced with a titer of 2⁸⁻¹⁰ HA units/50 ul for different strains.



Fed-batch strategy

Culture time	C0	C1	C2	C3	C4	C5
Fed-batch ratio	3%	3%	3%	3%	3%	3%

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



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