

Proli-S001S PK15 Serum-Free Media

A serum-free medium especially developed for PK15 cell culture and efficient amplification of circovirus

Proli-S001S is an innovative serum-free medium developed independently by Shanghai BioEngine Sci-Tech Co., Ltd., which is serum-free, protein-free and animal-derived component-free. It is suitable for PK15 suspension cell culture. It supports efficient acclimation of adherent PK15 cells and high density growth of suspension cells, and provides a high quality environment for efficient amplification of porcine circovirus. *Proli-S001S* is your ideal choice for large-scale industrial suspension culture of PK15 cells: the suspension culture system provides you with a significant increase in production efficiency, while the serum-free culture system provides you with maximum process stability. It has been industrially applied in the production of porcine circovirus vaccine project.

Features

- Serum-free
- Animal-derived component-free
- Protein-free
- Support rapid serum-free suspension adaptation of adherent PK15 cells
- Supporting high-density growth of PK15 cells
- Supporting PK15 cells for efficient production of circovirus



Proli Series PK15 Serum-Free Medium

Advantages

- Full traceability by EU-certified ISO13485:2016 Quality anagement System;
- Excellent inter-batch consistency (CPK*>1.33);
- 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.

*CPK: Process Capability Index; a CPK>1.33 indicates good process control and small inter-batch difference in products

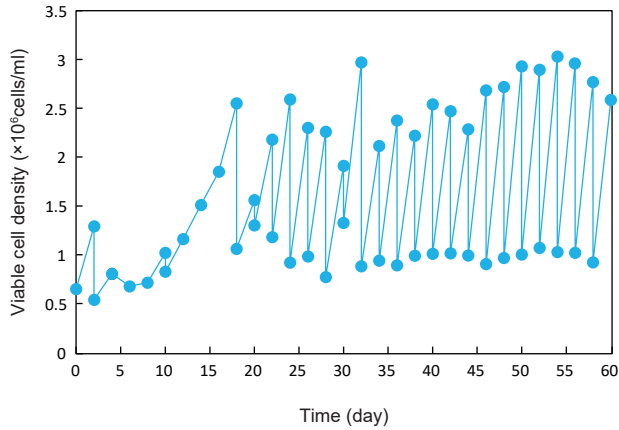
Ordering Information

| Product Name | Cat. No. | Form | Size | Package |
|---|------------|--------|------|---------|
| <i>Proli-S001</i> PK15 Serum-free Medium | EXP0101001 | Liquid | 1L | Bottle |
| | EXP0111103 | Powder | 10L | Bag |
| <i>Proli-S001S</i> PK15 Serum-free Medium | EXP0111102 | Powder | 100L | Bag |
| | EXP0111101 | Powder | 200L | Bag |

Performance

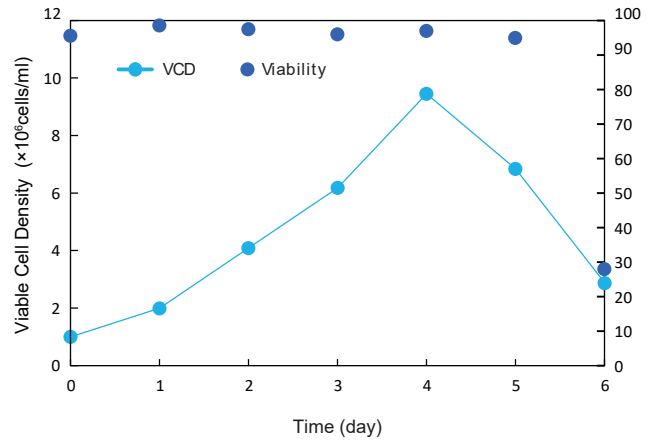
Cell adaptation

Adherent PK15 cells were directly acclimated in *Prolis-S001S* and got stabilized after 10 generations, and the specific growth rate gradually increased with the number of passages, with a doubling time of 22-25h after stabilization.



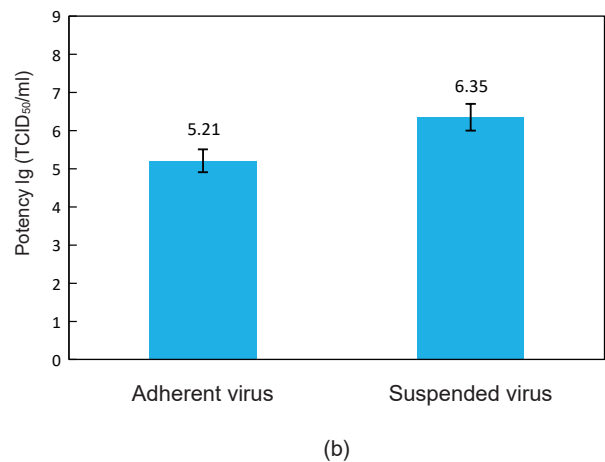
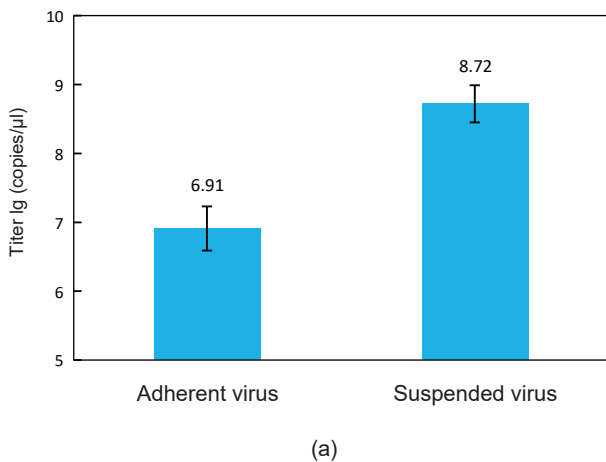
Cell growth

Prolis-S001S supports high density growth of suspension PK15 cells up to 10⁷ cells/ml.



Virus production

Using *Prolis-S001S* for culture and suspension of PK15, either for (a) fluorescence quantitative PCR or (b) TCID₅₀ assay, showed substantially higher titers of virus production compared to the original adherent process.



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



BioEngine Official Website

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