LS902 Adherent Cell Low-serum Media

A universal low-serum medium especially developed for efficient culture of adherent cells

LS902 low-serum medium for adherent cells, independently developed by Shanghai BioEngine Sci-Tech Co., Ltd., supports the proliferation of adherent cells with high density after adding 3-5% serum, suitable for the low-serum culture of Vero, 293, ST, Marc145, PK15 and other adherent cells.

LS902 is developed based on BioEngine's artificial intelligence platform with limited chemical composition to meet the growth needs of different cells and promote cell proliferation and viral replication. It does not contain exclusive ingredients in the raw material formulation, minimizing the influence of the raw material supply chain on the medium production and supply. The addition of low levels of serum can reduce serum costs while facilitating downstream purification. Different packaging specifications are available on the process requirements of different customers, and the cold chain transportation in the whole process ensures the reliable quality of packaging products.

Features

- 3-5% serum addition
- Generally suitable for common adherent cell lines
- No adaptation required, supporting continuous passage
- Used as both cell growth solution and maintenance solution

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Advantages

- 3-5% serum addition at a controlled cost
- Optional powder media for use in large-scale manufacturing with easy preparation procedures
- Powder media capable of a single batch size of 150,000 L
- Excellent inter-batch consistency (CPK*>1.33)
- Full traceability by EU-certified ISO13485:2016 Quality anagement System

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

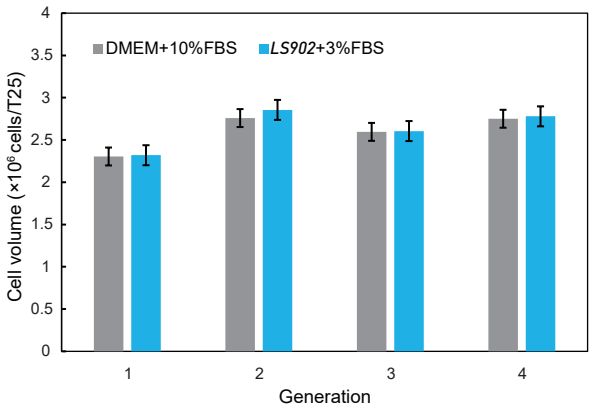
Ordering Information

Product Name	Cat. No	Form	Size	Package	NOTE
LS902 Adherent Cell Low-serum Medium	*EXP0112703*	Powder	10L	Bag	[+]L-Gln [-]$NaHCO_3$ [+]Phenol Red
	EXP0112702	Powder	100L	Bag	[+]L-Gln [-]$NaHCO_3$ [+]Phenol Red
	EXP0112701	Powder	200L	Bag	[+]L-Gln [-]$NaHCO_3$ [+]Phenol Red

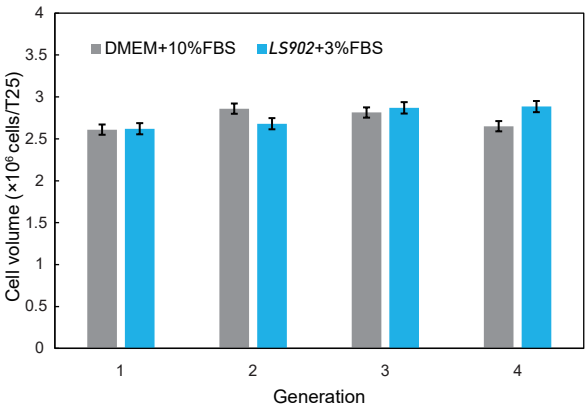
Performance

PK-15/Vero/Marc-145/ST cells were subcultured every 48 hours when inoculated at 5 × 10^5 cells/25 cm^2 in *LS902*.

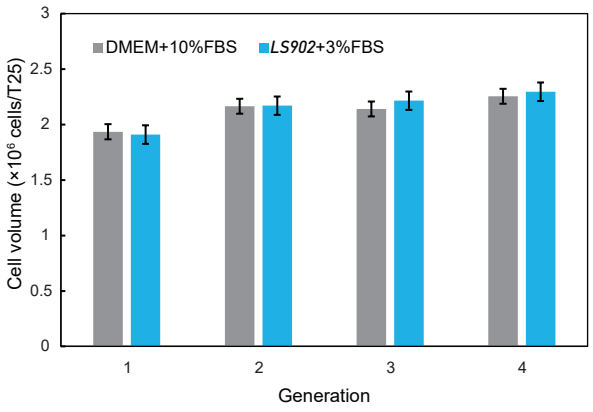
PK15 cell passaging



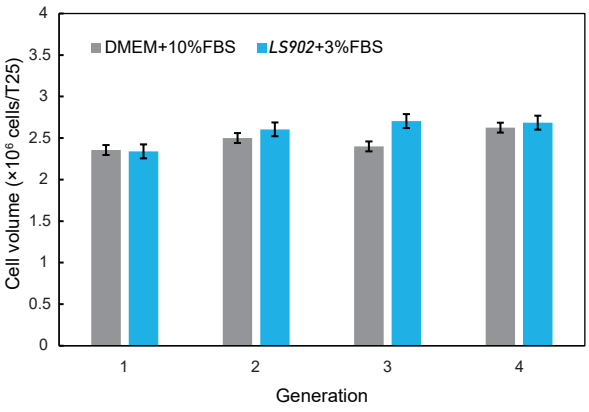
Vero cell passaging



Marc-145 cell passaging



ST cell passaging



When adapted to low serum culture, the growth rate of PK15/Vero/Marc-145/ST cells in ***LS902*** was higher than or equal to that in the culture system of DMEM+10% FBS.

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

BioEngine Official Website

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