

# Celer 293 Serum-Free Media

## Promote rapid growth and high productivity in 293 Cell Culture

**Celer** serial cell media are specially developed for HEK 293 suspension cell culture. It is the ideal choice for 293 cells from laboratory to large-scale suspension culture. It can not only promote rapid growth and high density of a variety of 293 cells such as HEK293, 293T, and 293F cells, but also support virus production, virus packaging and protein expression. It is suitable for virology research, adenovirus vector (such as COVID-19 vaccine), and other large-scale industrial production. It has been successfully applied to kilo-liter scale bioreactor production and has served customer projects for IND.

## Features

- Animal origin component-free
- Serum-free and protein-free
- Suitable for HEK293 cell line derivatives
- Suitable for virus production
- Suitable for virus packaging
- Suitable for protein expression



Celer 293 Serum-free Media

## Advantages

- Animal derived component-free, TST/BSE statement can be provided
- Served multiple projects and stands out in the competition with domestic and global brands
- Available as liquid solution for laboratory use and dry powder media for large scale production
- Max batch of powder media is 100,000 liters
- Excellent inter-batch consistency (CPK\*>1.33)
- According with EU certification ISO13485:2016 QMS, process can be traced
- Complete clinical application supporting documents can be provided

\*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.

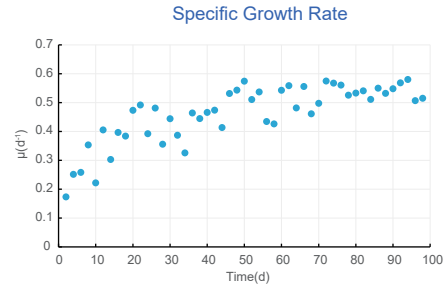
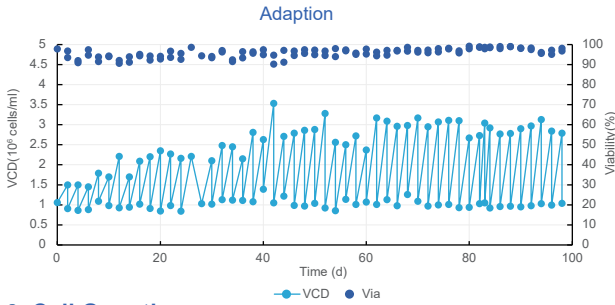
## Order Information

Product Name	Cat. No.	Form	Size	Package	Directions/Notes
Celer-S001S HEK293 Serum-Free Medium	EXP0108401	Powder	200L	Bag	● suitable for adenovirus production
	EXP0108402	Powder	100L	Bag	
	EXP0108403	Powder	10L	Bag	
Celer-S001 HEK293 Serum-Free Medium	EXP0104003	Liquid	1L	Bottle	
Celer-S101S 293 Serum-Free Medium	EXP0112001	Powder	200L	Bag	● chemically defined ● suitable for Virus packaging
	EXP0112002	Powder	100L	Bag	
	EXP0112003	Powder	10L	Bag	
Celer-S101 293 Serum-Free Medium	EXP0102901	Liquid	1L	Bottle	
Celer-S201S 293 Serum-Free Medium	EXP0103003	Powder	100L	Bag	● chemically defined ● suitable for Protein expression
	EXP0103002	Powder	10L	Bag	
Celer-S201 293 Serum-Free Medium	EXP0103001	Liquid	1L	Bottle	

# Performance

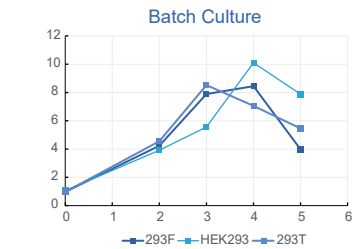
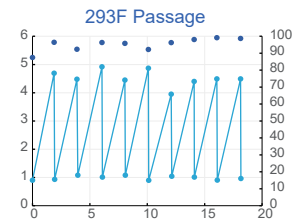
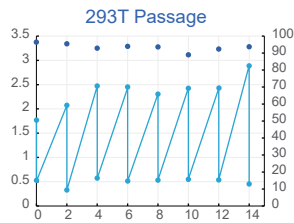
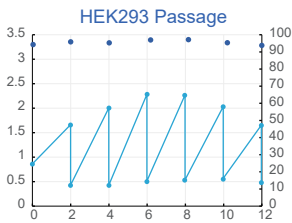
## Cell Adaption

Direct adaption in **Celer** media, cells can be easily adapted to suspension culture, and viability is higher than 90%.



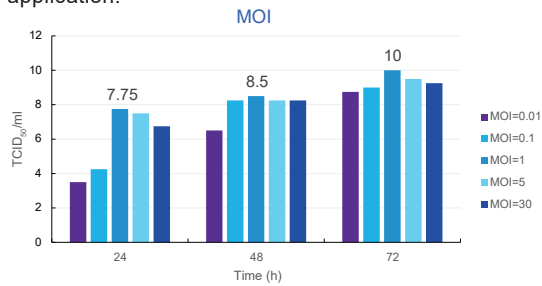
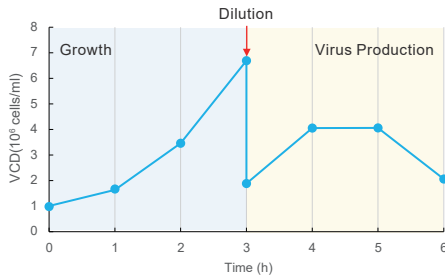
## Cell Growth

**Celer** media support HEK293, 293T and 293F passage, doubling time is 22-24 h, viability is higher than 90%. VCD in batch can reach  $8.0 \times 10^6$  cells/ml at maximum.



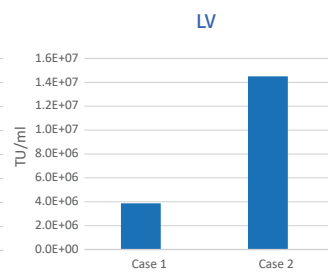
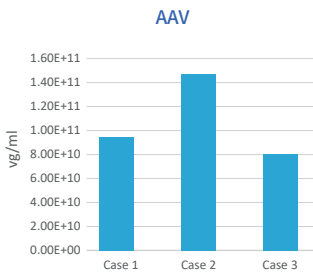
## Adenovirus Production

**Celer** media support adenovirus production, titer can reach  $10^{10}$  TICD<sub>50</sub>/ml. **Celer** has achieved the production scale of thousands of liters grade bioreactors, and served customer projects for clinical application.



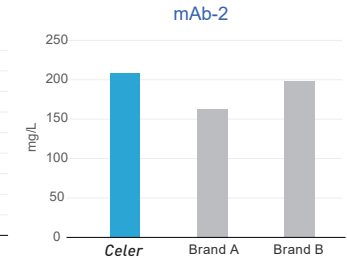
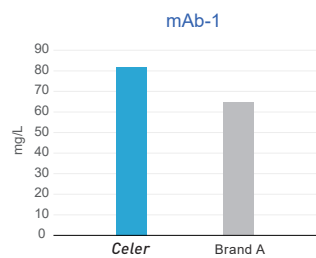
## Virus Packaging

**Celer** media support virus packaging, simple to operate and easy to scale-up. AAV titer can reach  $10^{11}$  vg/ml. LV titer can reach  $10^7$  TU/ml.



## Protein Expression

**Celer** media support protein expression, titer can reach hundreds of milligram per liter.



# 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