



# ExCell

## CHO Serum-free Media

The Leader in Life Science Reagents and Biopharmaceutical Critical Materials in China

Customer Oriented; Vigorous Action; Teamwork;  
Integrity & Dedication; Passion & Innovation



## Energize CHO cells with brilliant productivity



### Basal Medium

- OptiVidro® CHO CE01 Basal Media SF
- OptiVidro® CHO CE02 Basal Media SF



### Feed Medium

- OptiVidro® CHO CA01  $\alpha$  Feed Media SF
- OptiVidro® CHO CA01  $\beta$  Feed Media SF



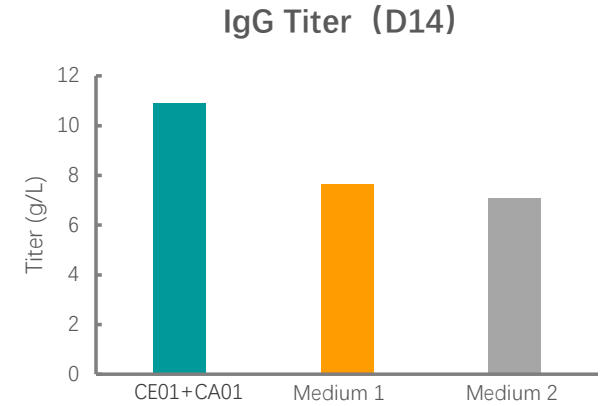
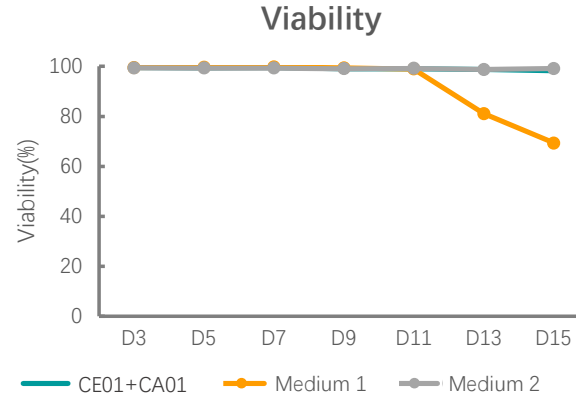
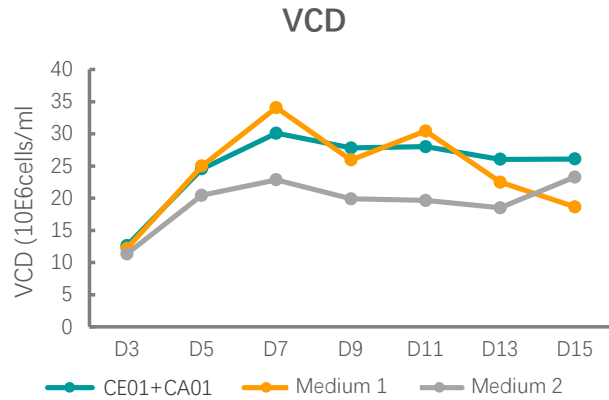
### Product Features

- Chemically defined, animal-component free (ACF)
- Support high yield for multiple types of CHO cells
- Enhance productivity and quality
- Stable supply, GMP manufactured
- Provide customized service, optimize your medium to fit workflow needs



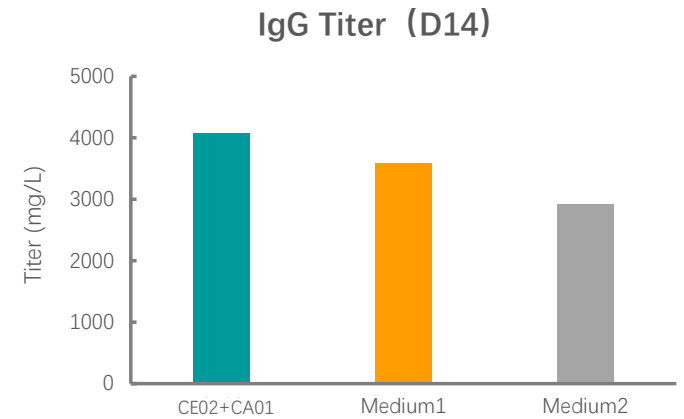
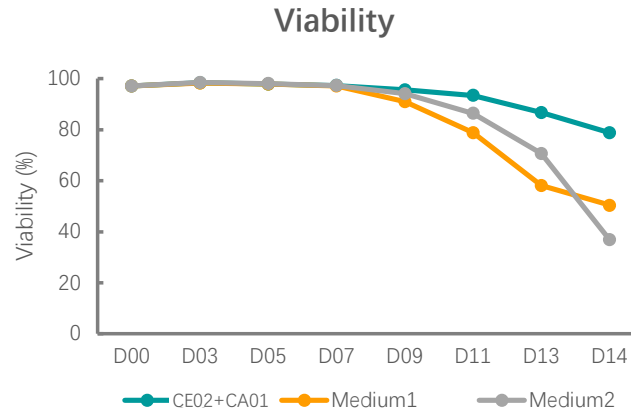
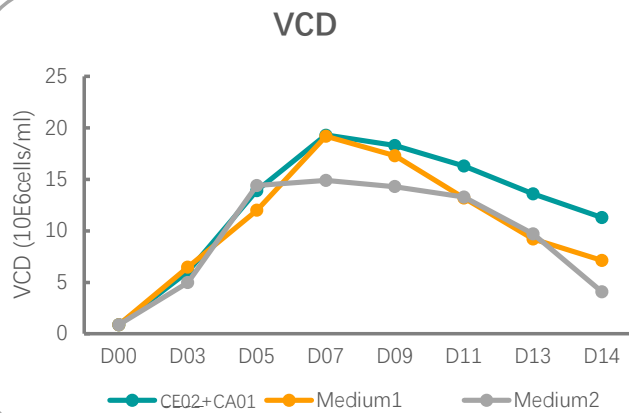
## CE01+CA01

Cell line: CHO-K1



## CE02+CA01

Cell line: CHOZN



Basal Medium	Culture Process	Cell Line	Application	Operating Parameters and Culture Conditions																																									
CE01	Seed amplification Batch culture Fed-batch culture (paired with CA01α+CA01β Supplement)	CHO-K1 (not include CHO-ZN) CHO-DG44 CHO-S	cell growth recombinant protein production	Medium	CE01/CE02 add 4-8 mM L-glutamine or not																																								
				Feed strategy	<table border="1"> <thead> <tr> <th colspan="2" rowspan="2"></th> <th colspan="6">Culture Day</th> </tr> <tr> <th>3</th> <th>5</th> <th>7</th> <th>9</th> <th>11</th> <th>13</th> </tr> </thead> <tbody> <tr> <th rowspan="2">CE01</th> <th>CA01 α</th> <td>3%</td> <td>4%</td> <td>5%</td> <td>5%</td> <td>5%</td> <td>4%</td> </tr> <tr> <th>CA01 β</th> <td>0.3%</td> <td>0.4%</td> <td>0.5%</td> <td>0.5%</td> <td>0.5%</td> <td>0.4%</td> </tr> <tr> <th rowspan="2">CE02</th> <th>014A Plus</th> <td>2%</td> <td>5%</td> <td>6.5%</td> <td>6%</td> <td>5.5%</td> <td>4.5%</td> </tr> <tr> <th>CA01 β</th> <td>0.2%</td> <td>0.5%</td> <td>0.65%</td> <td>0.6%</td> <td>0.55%</td> <td>0.45%</td> </tr> </tbody> </table>			Culture Day						3	5	7	9	11	13	CE01	CA01 α	3%	4%	5%	5%	5%	4%	CA01 β	0.3%	0.4%	0.5%	0.5%	0.5%	0.4%	CE02	014A Plus	2%	5%	6.5%	6%	5.5%	4.5%	CA01 β	0.2%	0.5%
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CE02	Seed amplification Batch culture Fed-batch culture (paired with 014A Plus+CA01β Supplement)	CHO-K1 ( include CHO-ZN) CHO-DG44 CHO-S	cell growth recombinant protein production																																										
Supplement	Culture Process	Cell Line	Application																																										
Supplement kit 1 (CA01α+CA01β)	Fed-batch culture	CHO-K1 (not include CHO-ZN) CHO-DG44 CHO-S	recombinant protein production	Working volume/ Culture chamber	15mL/50mL TPP tube 30 mL/125mL Flask 60mL/250mL Flask																																								
				Mixing	120~140 rpm																																								
Supplement kit 2 (014A Plus+CA01β)	Fed-batch culture	CHO-K1 ( include CHO-ZN) CHO-DG44 CHO-S	recombinant protein production	Culture conditions	37 °C, 80% RH, 5% CO <sub>2</sub>																																								
				Seed cell concentration	6~10×10 <sup>5</sup> cells/mL																																								

\* Glucose concentration maintained above 2-4 g/L



**Product Information**

Product	Catalog No.	Amount	Shelf life
Basal Medium CE01	CE000-N031	500 mL Liquid	2-8 °C Store dark
	CE000-N032	1 L Liquid	
	CE000-N033	1 L Powder	
	CE000-N034	10 L Powder	
	CE000-N035	100 L Powder	
Basal Medium CE02	CE000-N041	500 mL Liquid	2-8 °C Store dark
	CE000-N042	1 L Liquid	
	CE000-N043	1 L Powder	
	CE000-N044	10 L Powder	
	CE000-N045	100 L Powder	
Feed Medium CA01 $\alpha$	CA000-N011	1 L	2-8 °C Store dark
	CA000-N012	10 L	
	CA000-N013	100 L	
Feed Medium CA01 $\beta$	CA000-N021	0.5 L	2-8 °C Store dark
	CA000-N022	1 L	
	CA000-N023	5 L	
	CA000-N024	10 L	



## Wish to Cooperate with You

**THANKS FOR YOUR ATTENTION**

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