

QuaCell® CHO LeGend Medium & Feed 06 Supplement

The QuaCell® CHO LeGend Medium & Feed06 Supplement combination is a serum-free, animal component-free, chemically defined medium and supplement combination. It provides rich nutrients environment for the high-density CHO cells. It is suitable for various CHO cell types, such as CHO-GS, CHO-K1, CHO-DG44, and CHO-S, and is applicable for the research and development and industrial production of biotechnological products such as antibodies and recombinant protein drugs through suspension culture of CHO cells.



Product Advantages

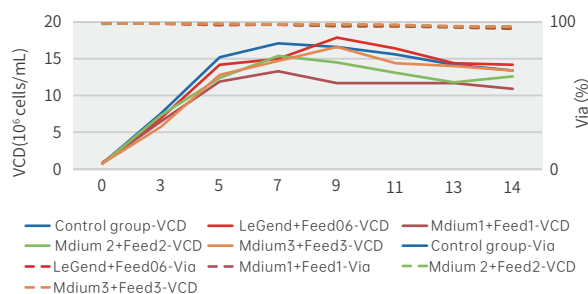
- Maintain high-density cell growth, and the antibody yield can reach over 10 g/L.
- Highly compatible with CHO-K1Q cell line
- Good versatility, suitable for various CHO cell subtypes.
- Dual production sites ensure stable supply, the maximum capacity up to 3000kg/ batch
- Quality system through ISO certification, traceability, can provide supporting documents to meet domestic and foreign application.

Data Presentation

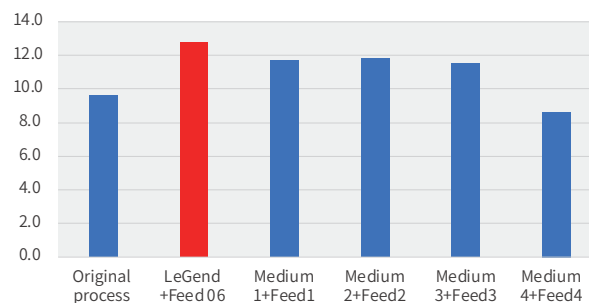
Case Study 1

It is a pre-clinical project. The cells are CHO-K1Q from QuaCell, The product is a monoclonal antibody. The yield of the original process (QuaCell CD04+Feed02) is 9.5 g/L. The upstream process development screening of the culture media, five different commercial media and feed combinations were selected. The QuaCell LeGend+Feed06 medium combination performed outstandingly, with the highest yield reaching 12.7g/L.

[Comparison of cell growth in different experimental groups]



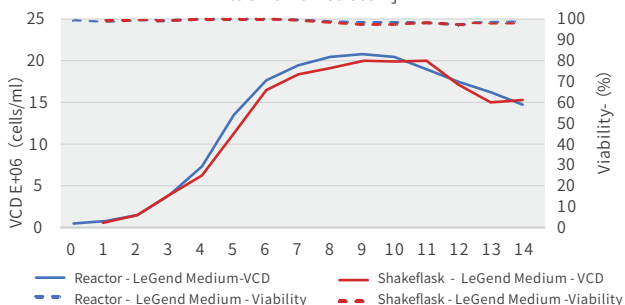
[Comparison of yield in different experimental groups]



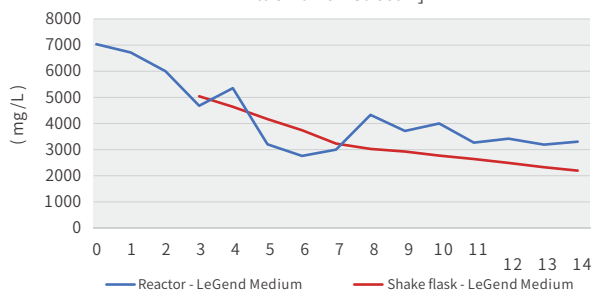
Case Study 2

The project cell was CHO-K1 (ATCC), with an initial inoculation density of 0.5×10^6 cells/mL. LeGend Medium & Feed06 Supplement were employed for culturing in 125 mL shake flasks and 3L reactors. In the reactor scale-up experiments, the cell states of cells cultured with LeGend Medium exhibited insignificant differences among different culture systems, facilitating undifferentiated scale-up cultivation.

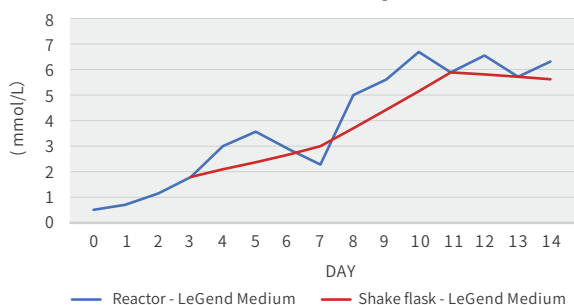
[Comparison of cell growth in CHO-K1 (ATCC)shake flask and reactor]



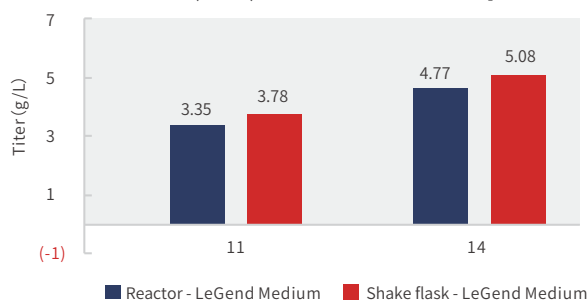
[Comparison of GLC in CHO-K1 (ATCC)shake flask and reactor]



[Comparison of GLC in CHO-K1 (ATCC)shake flask and reactor]



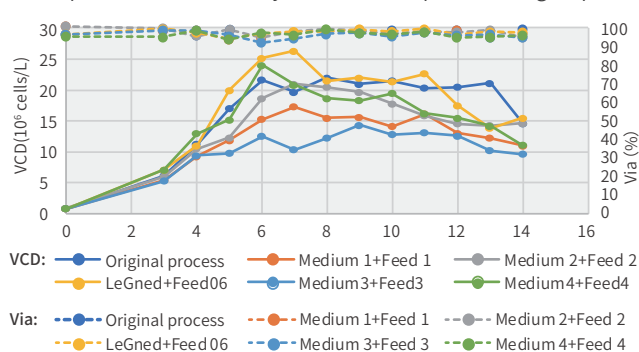
[Comparison of cell expression levels in CHO-K1 (ATCC)shake flask and reactor]



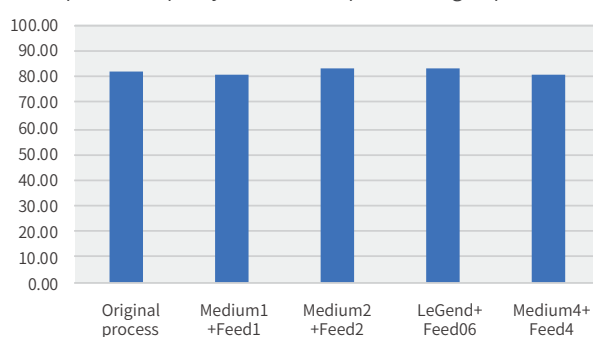
Case Study 3

It is a pre-clinical project. The project cells are CHO-K1SV. The product is bispecific antibody. The purpose of the test was to reduce Man5 to below 5%. Five different commercial media and feed combinations were selected. The yield of Medium3+Feed3 was low, and the quality test is not done. The combination of QuaCell LeGend + Feed06 with Man5 has been reduced to below 5%, and locked in the process for the pilot production stage.

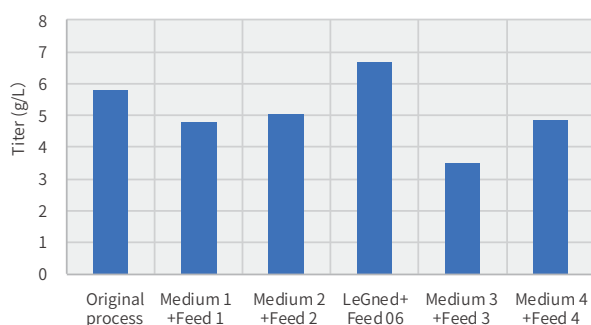
[Comparison of cell density in different experimental groups]



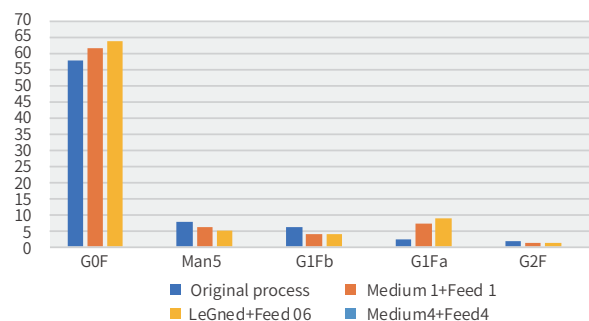
[Comparison of quality in different experimental groups SEC (%)]



[Comparison of yield in different experimental groups]



[Comparison of glucose type in different experimental groups]



Ordering Information

Product	Cat.No	Formulation	Size
QuaCell® CHO LeGend Medium	A11013	Liquid	1000mL
QuaCell® CHO Feed06 Supplement	A11906	Liquid	Set
QuaCell® CHO LeGend Medium	A12013-10	Powder	10L
QuaCell® CHO LeGend Medium	A12013-100	Powder	100L
QuaCell® CHO Feed06A Supplement	A12906A	Powder	3L
QuaCell® CHO Feed06A Supplement	A12906A-10	Powder	10L
QuaCell® CHO Feed B06 Supplement	A12956	Powder	300mL
QuaCell® CHO Feed B06 Supplement	A12956-3	Powder	3L