

# QuaCell® CHO LeAd Medium

QuaCell® CHO LeAd Medium is a serum-free, animal origin free and chemical defined basal medium. The clear composition is beneficial to the metabolic study of cell culture and makes it easy to isolate and purify cell products. This basic medium can effectively increase the yield of antibody and protein products while maintaining high product quality. This product is not only suitable for routine cell culture with CHO cell lines, but also for research and development and industrial production of biotechnological products such as antibodies and recombinant protein drugs using suspension culture of CHO cells.



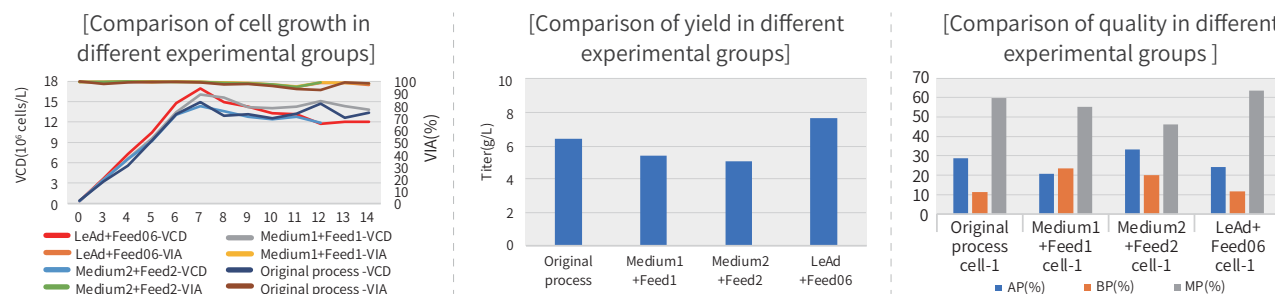
## Product advantages

- Maintain high-density cell growth, and the antibody yield can reach over 10 g/L.
- Good versatility, suitable for various CHO cell subtypes.
- Simplify the liquid preparation process, reduce workload and lower error rate
- 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:

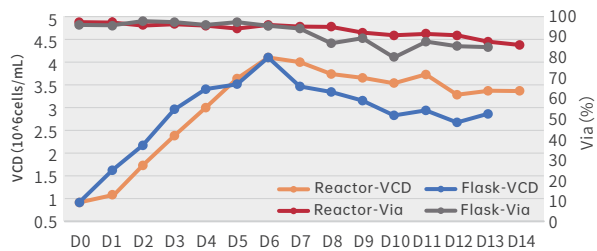
It is a pre-clinical project. The cells are CHO-K1Q from QuaCell, The product is a bispecific antibody. Five different commercial media and feed combinations were selected. Monitor the cell growth curve, expression level and product quality data. From the perspective of yield and quality, LeAd+Feed06 group was the best, and used for pilot production stage.



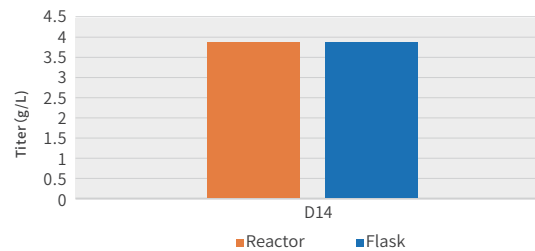
### Case Study 2:

The CHO-K1 cell line was used for reactor scale-up culture, with an initial inoculum density of  $8.0 \times 10^6$  cells/ml and a culture volume of 1L; the control was a shake flask culture, with an initial inoculum density of  $8.0 \times 10^6$  cells/ml and a culture volume of 30mL; the results showed that there was little difference in the cell state of cells cultured in LeAd Medium in different culture systems. The results showed that the cell status of cells cultured in LeAd Medium did not differ greatly in different culture systems, and there was almost no difference in expression.

[ Comparison of cell status of CHO LeAd in different culture systems ]



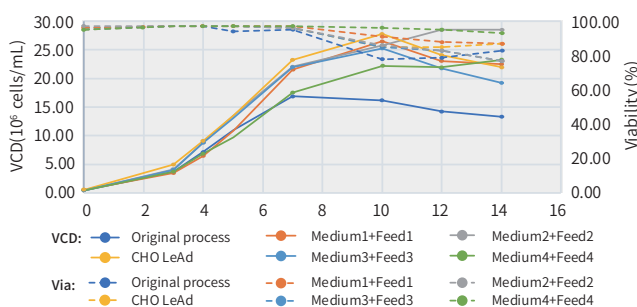
[ Comparison of titer of CHO LeAd in different culture systems ]



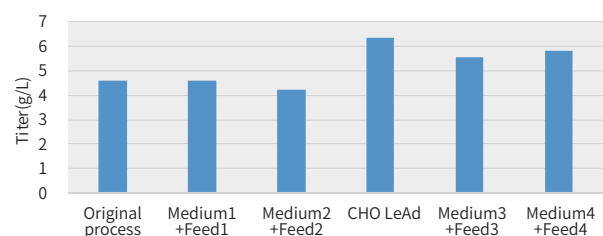
### Case Study 3:

It is a pre-clinical project. The cells are CHO-ZN, The product is a bispecific antibody. The original process medium was QuaCell CD04+Feed02. Five commercial media and Feed combinations were selected, and QuaCell LeAd+Feed06 medium combination showed the highest yield, which was about 40% higher than the original process.

[ Comparison of cell density in different experimental groups ]



[ Comparison of yield in different experimental groups ]



## Ordering Information

| Product Name             | Lot.       | Characteristics | Size   |
|--------------------------|------------|-----------------|--------|
| QuaCell® CHO LeAd Medium | A11010     | Liquid          | 1000mL |
| QuaCell® CHO LeAd Medium | A11010-10  | Powder          | 10L    |
| QuaCell® CHO LeAd Medium | A12010-100 | Powder          | 100L   |