

# RapidTrans CHO Kit

## CHO Cell Protein Expression Kit

Excellence Affordable to All

RapidTrans CHO Kit is specifically designed and optimized for high transfection efficiency and high protein production of suspension CHO cells. RapidTrans CHO Kit includes optimized cell culture media, enhancer, and PEI transfection reagent, ensuring the consistent efficiency and stability. RapidTrans CHO Kit can provide you with satisfactory yields and reliable results from R&D to large-scale production.



RapidTrans CHO Kit

Leveraging extensive project success and the AI-based iBioG-Med media development and optimization platform, BioEngine has successfully provided Eden CHO CD media for scalable production of antibodies/proteins, along with multiple tuner products for glycosylation or metabolic regulation.

### Features

- Serum-free, Chemically-defined, Protein-free/Peptide-free, Animal-derived component free (ADCF)
- Designed for transfection and protein expression of CHO cells
- Ready-to-use kit containing basal medium, feeds, enhancer, with optional PEI.
- Supporting efficient protein expression, including antibodies and antigens, in both R&D and large-scale production

### Advantages



Support high-density transient transfections with efficiency >95%, and significantly higher protein yields than other brands.



Ideal protein yields can be achieved by Day 5~9, enabling flexible project progression.



The all-in-one kit includes optimized media, enhancer, and PEI to achieve high protein expression, providing convenience in a single kit.



Competitively priced for effective cost reduction and enhanced efficiency.

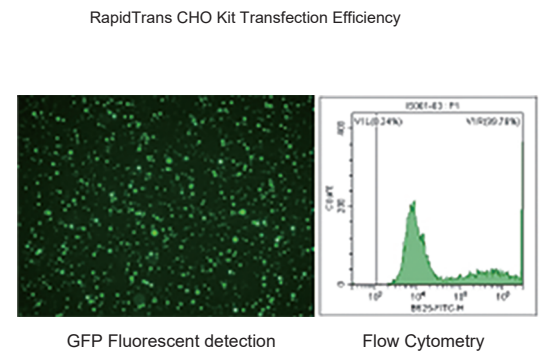
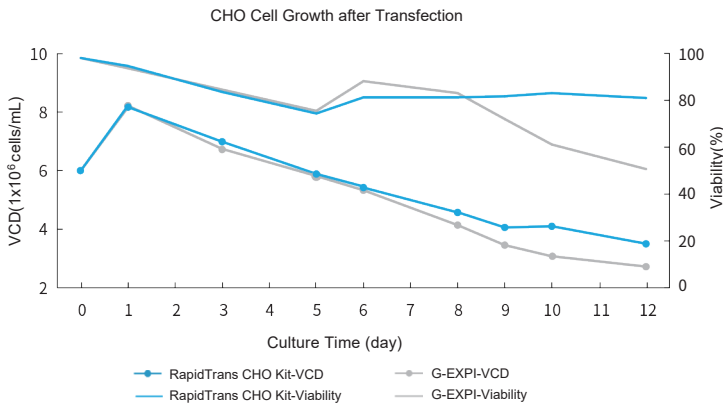
### RapidTrans CHO Kit Component

Product Name	Form	Size	Packaging	Note
RapidTrans CHO Basal Medium	Liquid	500mL	Bottle	• Serum-free
RapidTrans CHO Feed Medium a	Liquid	250mL	Bottle	• Chemically defined
RapidTrans CHO Feed Medium b	Liquid	25mL	Bottle	• Protein-free/Peptide-free
RapidTrans CHO Enhancer	Liquid	10mL	Bottle	• ADCF
RapidTrans Transfection Reagent PEI (optional)	Liquid	4mL	Vial	• Significantly enhances protein expression
				• Optimal with RapidTrans CHO media

# Performance

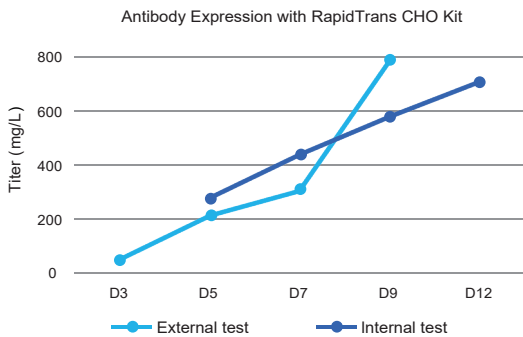
## ① RapidTrans CHO Kit demonstrates high transfection efficiency and enhanced cell growth

CHO-S cells were transfected at  $6 \times 10^6$  cells/mL, and results demonstrated a transfection efficiency of 99.76% on Day 3. Compared to global brands, the RapidTrans CHO Kit exhibited higher viable cell density (VCD) and superior cell viability maintenance.



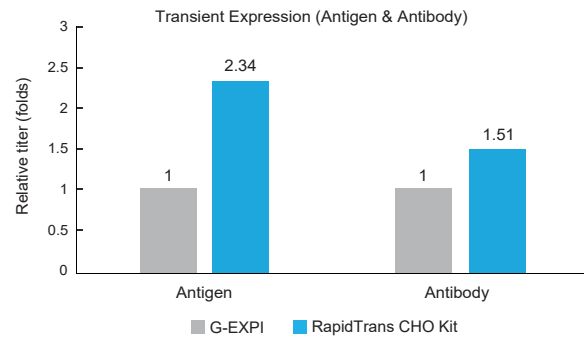
## ② Ideal yields can be achieved within a short time, with titer reaching nearly 800mg/L

In internal and external test results, transient CHO expression with RapidTrans CHO Kit can reach over 200mg/L by Day 5 and nearly 800mg/L by Day 9.



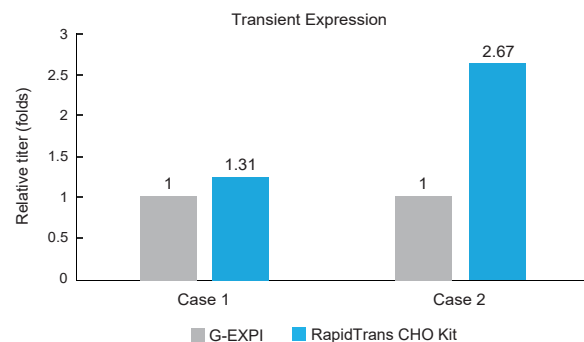
## ③ RapidTrans CHO Kit shows higher yields of antigens and antibodies compared to global brands in transient expression

The RapidTrans CHO Kit supports efficient expression of antigens and antibodies, meeting various application needs. Compared to global brands, it significantly increases antigen yields by over 130% and antibody yields by more than 50% (Day 12).



## ④ External tests show that RapidTrans CHO Kit significantly increased protein yields than global brands

The RapidTrans CHO Kit demonstrates excellent performance across various projects. In the following two cases, CHO-S cells were used, expressing monoclonal antibodies, and proteins were harvested on Day 9 after transfection. Results indicate a significant increase in antibody yield with the RapidTrans CHO Kit compared to global brands.



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