



財團法人生物技術開發中心  
Development Center for Biotechnology

# High yield CHO Production System

## Development Center for Biotechnology

### Contact information:

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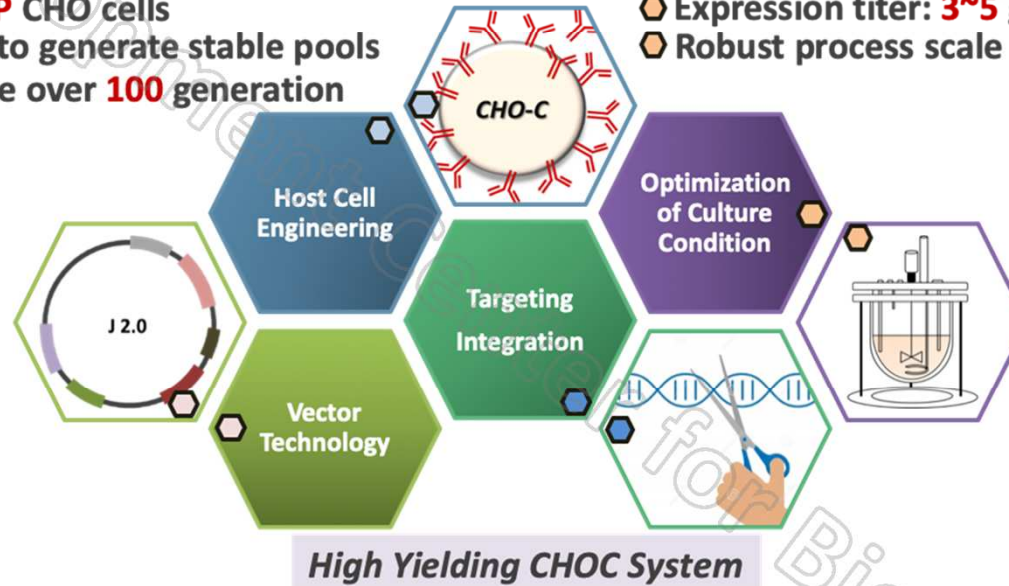
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# DCB CHOC Expression Systems

- ⊞ An engineered CHO-DXB11 cell line
- ⊞ **cGMP** CHO cells
- ⊞ Easy to generate stable pools
- ⊞ Stable over **100** generation
- ⊞ **1.5~2 X** better than CHOS system
- ⊞ Expression titer: **3~5 g/L**
- ⊞ Robust process scale up to **50 L**



- ⊞ Proprietary vector, and all the elements are **FTO**
- ⊞ Unique signal peptides
- ⊞ Proprietary hot spots

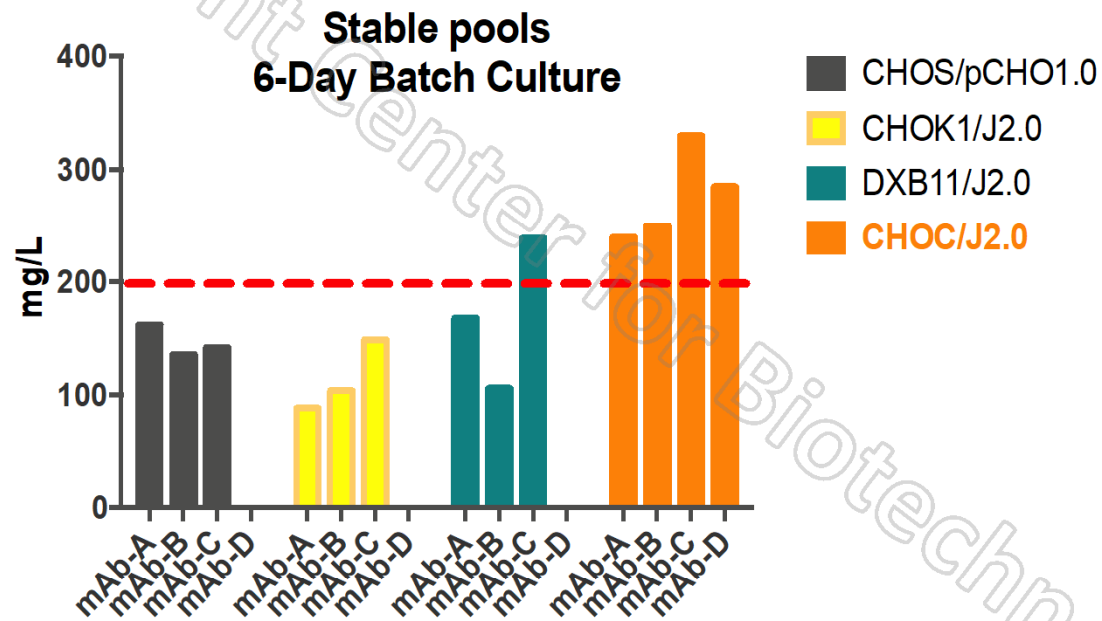
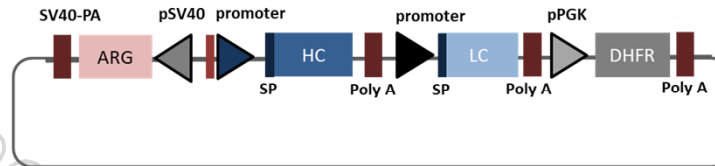
- ◆ High-grade raw materials
- ◆ Cell line development service
- ◆ Looking for partnership
- ◆ One time fee
- ◆ Products unlimited
- ◆ Milestone and royalty free





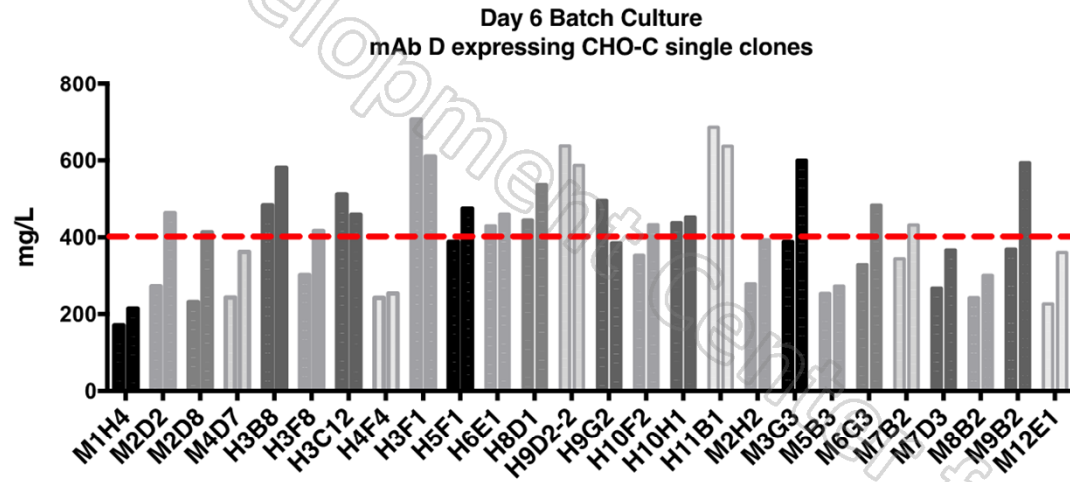
# Stable Pools Generated in Different CHO Cells

DCB- J2.0



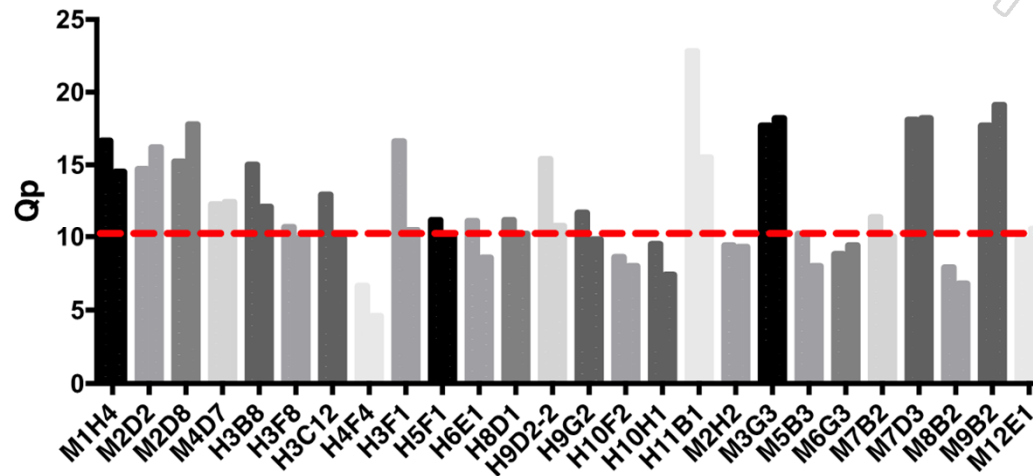
The expression titers of four different mAbs expressing stable pools are from **240~330 mg/L** ( 6 day batch culture). About **2 fold better** than that of CHOS/pCHO1.0 system (**135~162 mg/L**)

# Stable Clones Generated in CHO-C Cells

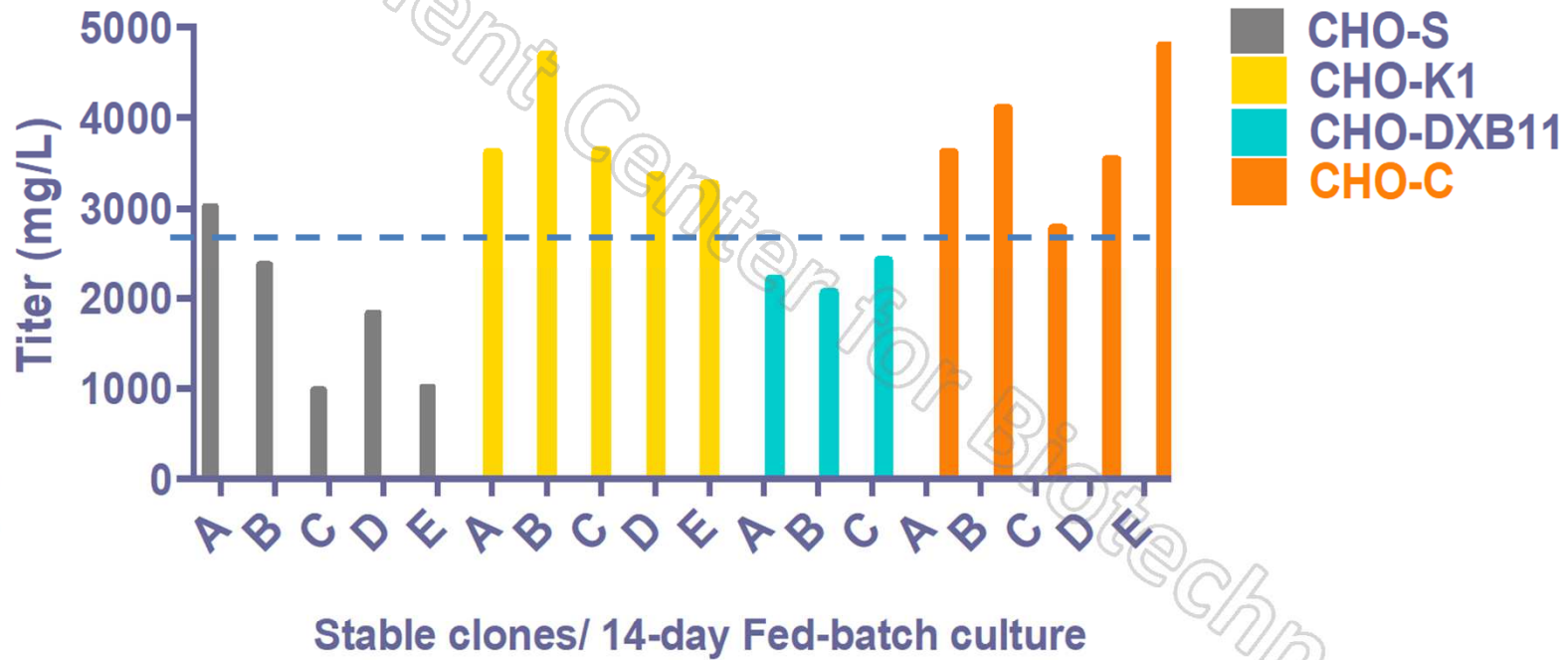


Day-6 Batch Culture

Name of mAbs	Top 10 clones/ Titer (mg/L)	Top 10 clones/Qp
mAb A	300~410	5~17
mAb B	267~469	5~17
mAb C	250~465	4~11
mAb D	210~700	6.8~19



# Stable Clones Generated in Different CHO Cells



# Process Development

## Bioprocess scale up CHOC-M9B2

