

Cell culture

# Take the lead with the CHOvantage GS Cell Line Development Kit

## Find your winning clone and cross the finish line fast

In the race to develop life-changing therapies, you need to stay on track while satisfying regulatory and performance requirements. Efficiently achieving a robust cell line with high protein quality and yield is crucial for meeting your targets. Achieve quick, high-quality results and benefit from royalty-free licensing with the Gibco™ CHOvantage™ GS Cell Line Development Kit.

### The challenge

Achieving high titers quickly while supporting quality, scalability, and regulatory readiness is one of the biggest hurdles in cell line development. Traditional workflows can take months, consuming significant resources and delaying your progress to market.

### The solution

The CHOvantage GS Cell Line Development Kit was built to address these barriers. With an optimized workflow and integrated transposon vector system, you can reach mAb titers of over 7 g/L and achieve clones in as little as 14 weeks with highly productive pools at 4 weeks—all while reducing the complexity of cell line development. Plus, you can get answers fast from dedicated technical support and experienced field application scientists in cell culture, process optimization, and troubleshooting to help keep your development on track.

## Proof of performance

### Clonal stability

The CHOvantage GS kit demonstrates exceptional stability, with clones maintaining performance through 100 generations—instilling confidence in its durability, robustness, and scalability. This sustained performance helps ensure smooth regulatory submission and long-term commercial supply, reducing the need for costly re-cloning or development.

### Smart integration

The two-part transposon vector system drives high transfection efficiency and uniform clones for fast, consistent results.

### No royalty burden

Use of the kit includes research-use rights with straightforward royalty-free commercial licensing options, helping remove costly barriers as you move toward clinical production.

### Media performance and simplicity

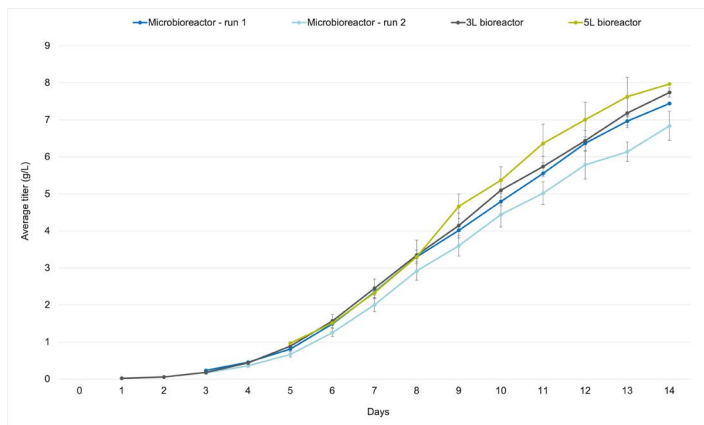
To maximize performance and productivity, the kit is paired with: Gibco™ Efficient-Pro™ Medium (+) Insulin, Efficient-Pro™ Feed 3, and Efficient-Pro™ Feed Enhancer. This optimized media and feed system is specifically formulated for insulin-dependent CHO lines, delivering higher titers while maintaining protein quality. Together, the integrated platform helps ensure reliable results, fast development, and reduced overall costs.\*



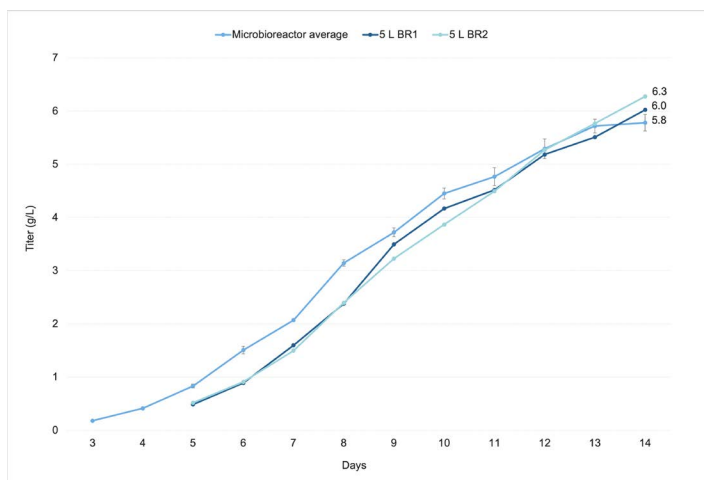
With the CHOvantage GS Cell Line Development Kit, you can help **accelerate timelines**, **streamline resources**, and **scale production with confidence**—bringing you closer to your therapeutic goals, faster.

Drive your performance forward today at  
[thermofisher.com/chovantage](https://thermofisher.com/chovantage)

\* Based on internal testing compared to other alternatives.



**Figure 1. Titer, mAb.** Productivity performance was consistent for the lead mAb clone with an average titer of 6.8 to 7.7 g/L across scales.



**Figure 2. Titer, bsAb.** Consistent titer performance observed for lead bsAb clone across 5 L and average microbioreactor runs, with titers ranging from 5.8 to 6.3 g/L. (5 L scale titer evaluation began on day 5).

### The CHOvantage GS kit includes:

Product	Unit size	Storage
CHOvantage GS cells	1 vial	-125 to
cGMP bank	(1 mL, 10 <sup>6</sup> cells)	-200°C
CHOvantage mRNA	1 vial	-80°C
	(100 µL, 1 µg/µL)	
pCHOvantage DNA	1 vial	-20°C
	(12.5 µL, 1 µg/µL)	
Efficient-Pro Media with Insulin	1,000 mL	2 to 8°C
Efficient-Pro Feed 3	1,000 mL	2 to 8°C
Efficient-Pro Feed Enhancer	100 mL	2 to 8°C