



Skysrocket your  
protein production



# Mammalian Transient Expression System



1,8g/L in  
flask



3 times  
cheaper



8  
days

[www.ProteoGenix.science](http://www.ProteoGenix.science)



# Discover XtenCHO™ Race

## The Next-Generation Transient Expression System

### ■ What is XtenCHO™ Race?

XtenCHO™ Race is an innovative, **all-in-one system** for mammalian transient expression, designed for **rapid** and **efficient** recombinant protein production. This kit includes all the elements that will enable you to achieve high-performance transient expression results. You can find the complete list of components included in the kit on pages 7 to 8.

Building on the proven success of the original XtenCHO™ platform, XtenCHO™ Race incorporates next-generation enhancements for **higher yields** and **faster production cycles**.

XtenCHO™ Race is ideal for **accelerating workflows** in diverse applications, setting a new standard in **protein expression**. Designed for **R&D, Biopharmaceutical development, diagnostics applications**, such as:

- ▶ Early stage of Antibody production
- ▶ Drug candidate testing on High-throughput screening plates.



# Adaptable solution for every use and scale

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## Screen drug candidates faster

Achieve biopharmaceutical-grade production in terms of structure and post-translational modifications at a fraction of the time and cost, while preserving the antibody's conformation and affinity.



## Simplify the validation of *in silico*-designed proteins.

Accelerate the development of your *in silico* designed proteins thanks to XtenCHO™ Race enhanced robustness, metabolism, and protocols.



## Streamline protein engineering

Attain hassle-free validation of protein variants thanks to XtenCHO™ Race smart protocols and enhanced expression yields. Accelerate antibody humanization, *in vitro* affinity maturation and stability improvement, among other protein engineering processes.



## Increase accuracy & precision of your biological assays

Obtain highly pure reagents in short time frames without sacrificing your production yields. Save costs and increase the accuracy and precision of your analytical applications.

# XtenCHO™ Race:

## Where Quality Meets Efficiency

Optimize production and minimize costs.

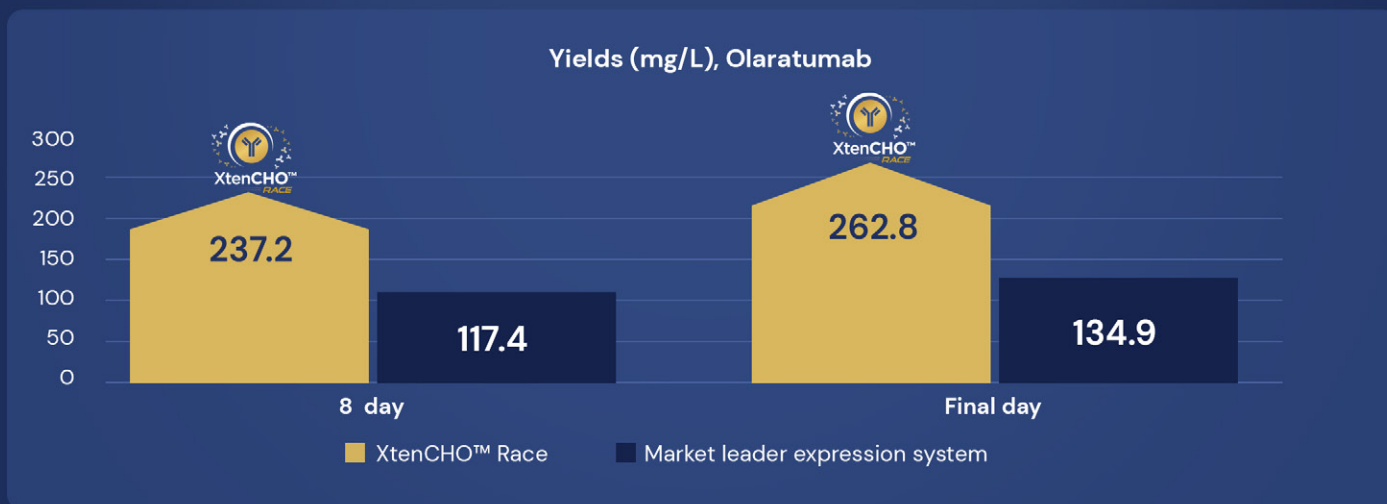
Twice the output, with same efficiency.



Cut your production costs : XtenCHO™ Race offers unmatched efficiency, a competitively priced kit and reduced consumables usage.

Double your production yield : XtenCHO™ Race delivers twice the output compared to the market leader.

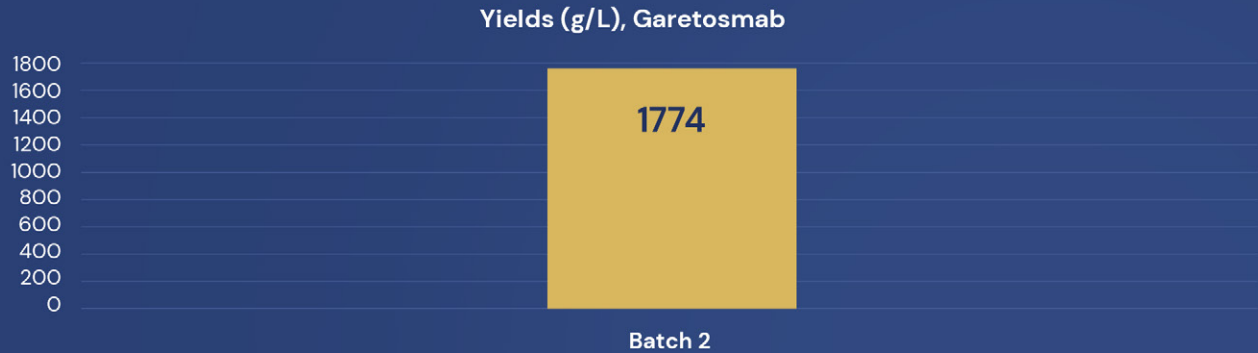
An unbeatable yield in as little as 8 days.



XtenCHO™ Race achieves twice the yields as early as the 8th day of production.

NB: Crude production yields obtained in flasks

## Record-breaking productivity of 1.8g/L

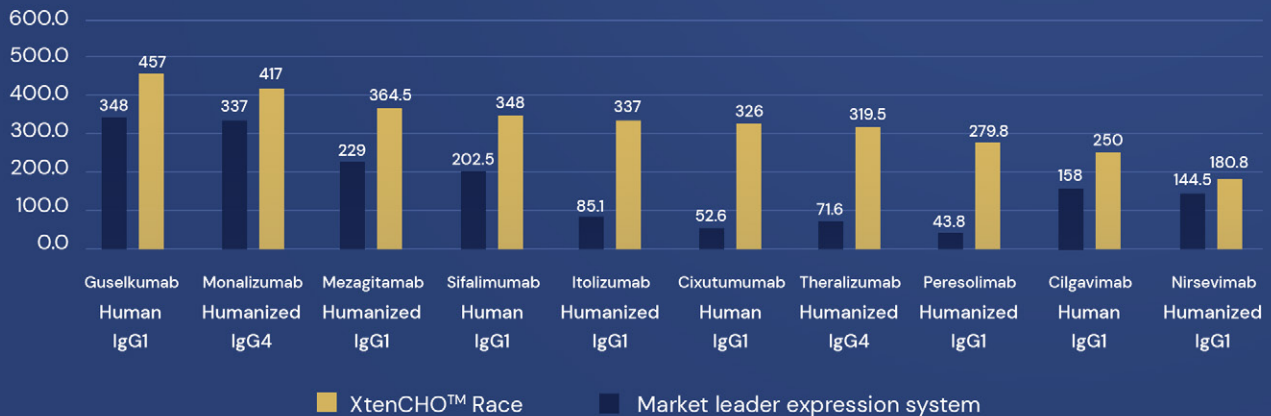


XtenCHO™ Race high performance allows to produce sufficient protein in a single run.

*NB : Crude production yields obtained in flasks*

## High performance, adapted to your therapeutic antibody

### Comparison of the productivity yields of 10 therapeutic antibodies

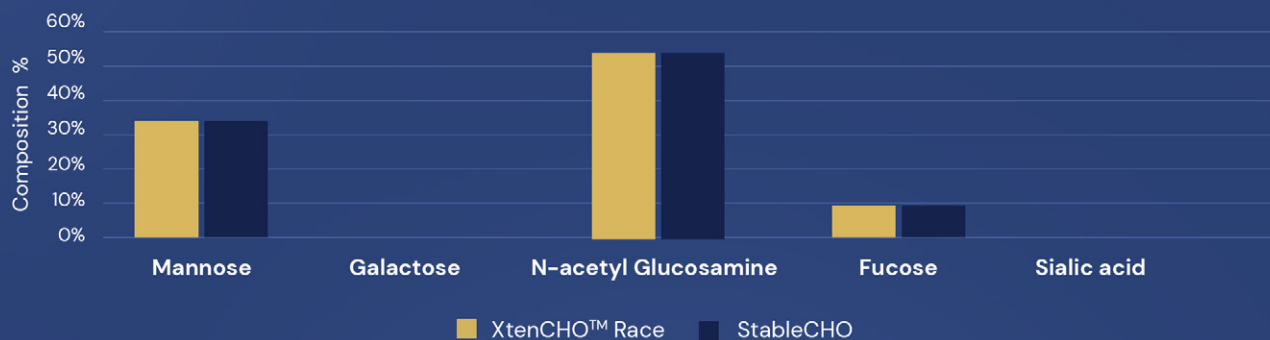


XtenCHO™ Race consistently delivers higher yields across various therapeutic antibodies, ensuring enhanced production efficiency regardless of the antibody type.

*NB: Crude production yields in mg/L obtained in 24-well plates cultures without feeding (Octet Analysis)  
Yields in flask (better aeration) will be 1.5 to 2.5 Higher for Human/humanized IgG1/IgG4 (depending on the antibody considered)*

## No compromise on human-like post-translational modifications.

### Identical glycan content for Zolbetuximab

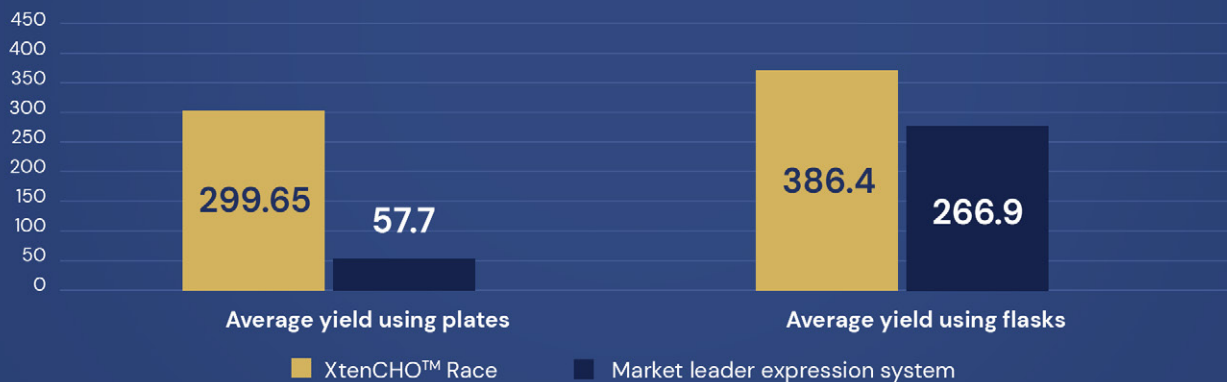


XtenCHO™ Race offers a high level of quality that is maintained for 2 weeks.

## High yields, regardless of your production scale.

### Average\* production of therapeutic antibodies in two different production facilities, in mg/l

\*Average yield is calculated from the production of Theralizumab IgG4 and Peresolimab Humanized IgG1



XtenCHO™ Race ensures consistent and high-quality yields, seamlessly adapting to different production scales and formats.

# XtenCHO™ Race

## Performance Meets Simplicity

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### ■ Long term value, proven return

Produce more protein faster even in 8 Days with our high-yield expression kit, minimizing consumable usage and maximizing long-term cost efficiency.



### ■ Streamlined Protocol for Maximum Efficiency

Save time with intelligent, optimized protocols that reduce hands-on work and speed up discovery.



### ■ Easy to adopt with full support

Our comprehensive protein expression kit is simple to implement, backed by clear, step-by-step documentation, engaging video tutorials, and responsive technical support to guide you through any challenge.



### ■ Serum-Free, Animal-Free, Chemically-Defined

Offer superior safety by minimizing contamination risks from biological sources, while ensuring consistent, reproducible results with chemically defined compositions.



### ■ High Quality

By using endotoxin-free tips and buffers, along with high-quality plasmids, XtenCHO™ Race naturally maintains low endotoxin levels, reducing the need for complex and costly purification processes, while also ensuring culture viability for over 14 consecutive days.



### ■ Already in CHO Cell

Used in over 75% of approved biopharmaceuticals, CHO cells are the gold standard for therapeutic protein production. We eliminate the need to switch technologies, ensuring efficiency and consistency throughout development and production.

# Ordering Information

**XtenCHO™ Race Starter Kit :** Catalog no. PX-XTE-R-001

The XtenCHO™ Race Starter Kit provides everything you need for high-performance protein production in one package eliminating the need to source components separately and ensuring a smooth, hassle-free start.

▶ XtenCHO™ Race cells	2 cryotubes of 1 mL
▶ pXten1 Expression Vector	1 microtube of 10 µL
▶ XtenCHO™ Expression Medium	1 bottle of 1 L
▶ Antibody Expression Positive Control Vector (1 µg/µL in T10E1 buffer, pH8)	1 microtube of 150 µL
▶ XtenFect Reagent, Stock solution	1 microtube of 0.51 mL
▶ XtenFect Reagent, Working solution	3 microtubes of 1.44 mL
▶ XtenCHO™ Race Enhancer	3 microtubes of 1.2 mL

This Starter pack includes: User Guide + Simplified Protocol + Video Protocol.

Worldwide delivery in 2-4 business days. Shipping included in the EU\*

\*conditions apply.



Need to order supplements only? Find all the individual products to optimize your production.

**XtenCHO™ Expression Medium :** **Catalog no. PX-XTE-002**

- |                              |    |
|------------------------------|----|
| ▶ XtenCHO™ Expression Medium | 1L |
|------------------------------|----|

**XtenCHO™ Race Transfection kit :** **Catalog no. PX-XTE-R-003**

- |                                      |                         |
|--------------------------------------|-------------------------|
| ▶ XtenFect Reagent, Stock solution   | 1 microtube of 0.51 mL  |
| ▶ XtenFect Reagent, Working solution | 3 microtubes of 1.44 mL |
| ▶ XtenCHO™ Race Enhancer             | 3 microtubes of 1.2 mL  |

**XtenCHO™ Race Cells :** **Catalog no. PX-XTE-R-004**

- |                       |                              |
|-----------------------|------------------------------|
| ▶ XtenCHO™ Race Cells | 1 x 10 <sup>7</sup> cells/mL |
|-----------------------|------------------------------|

**XtenCHO™ Race Cell Bank Pack :** **Catalog no. PX-XTE-R-005**

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|--------------------------------|--------------------|
| ▶ XtenCHO™ Race Cell Bank Pack | 6 cryotubes x 1 mL |
|--------------------------------|--------------------|

**XtenCHO™ Expression Medium Pack :** **Catalog no. PX-XTE-006**

- |                                   |          |
|-----------------------------------|----------|
| ▶ XtenCHO™ Expression Medium Pack | 10 x 1 L |
|-----------------------------------|----------|

**Xtencho™ Race Enhancer :** **Catalog no. PX-XTE-R-007**

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|--------------------------|------------------------|
| ▶ XtenCHO™ Race Enhancer | 3 microtubes of 1.2 mL |
|--------------------------|------------------------|

# Move fast with confidence !



\* for products in stock, average time in Europe and the USA

# Discover our Services

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Custom Assay  
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# PLACE YOUR ORDER



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● Research  
Triangle Park, NC



The new mammalian-based transient expression system offers higher yields, optimized plasmid stability, and smart protocols with less hands-on time.

✉ [products@proteogenix.fr](mailto:products@proteogenix.fr)

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