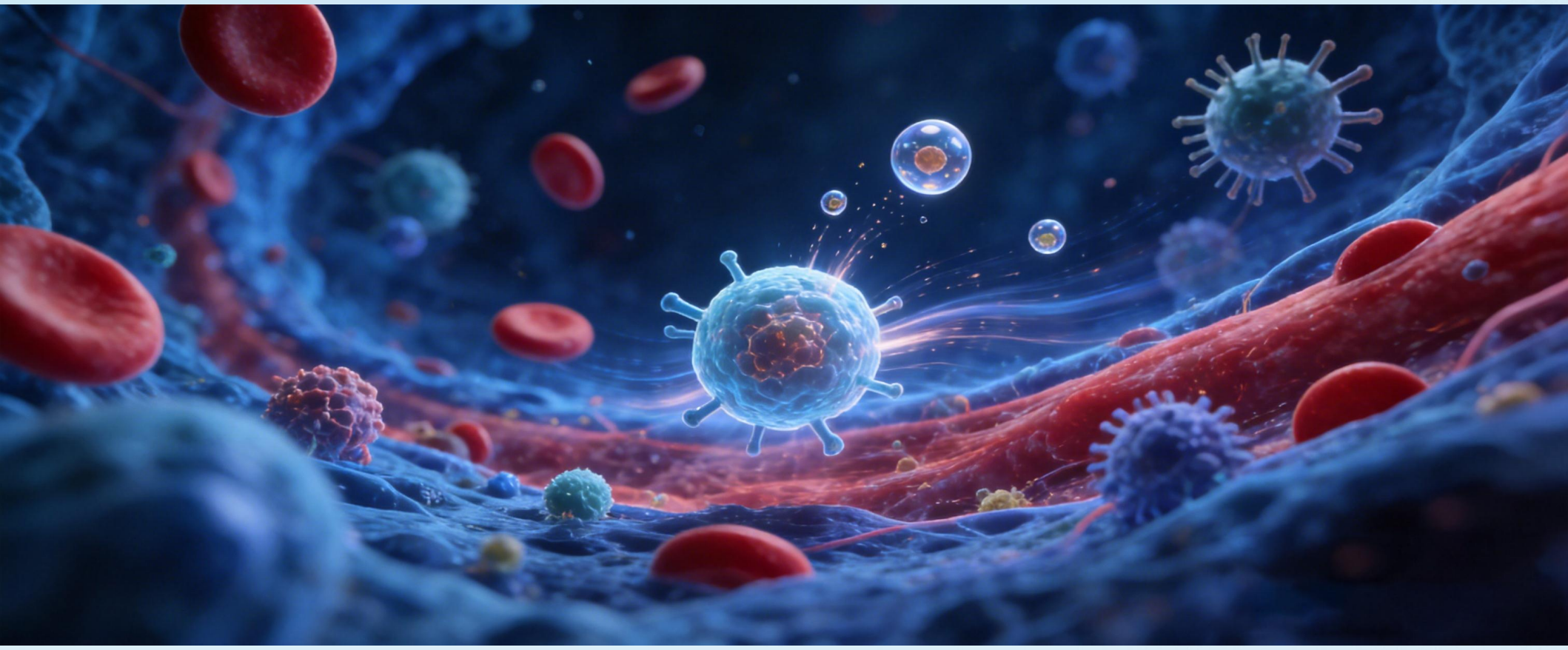
Biocean Group

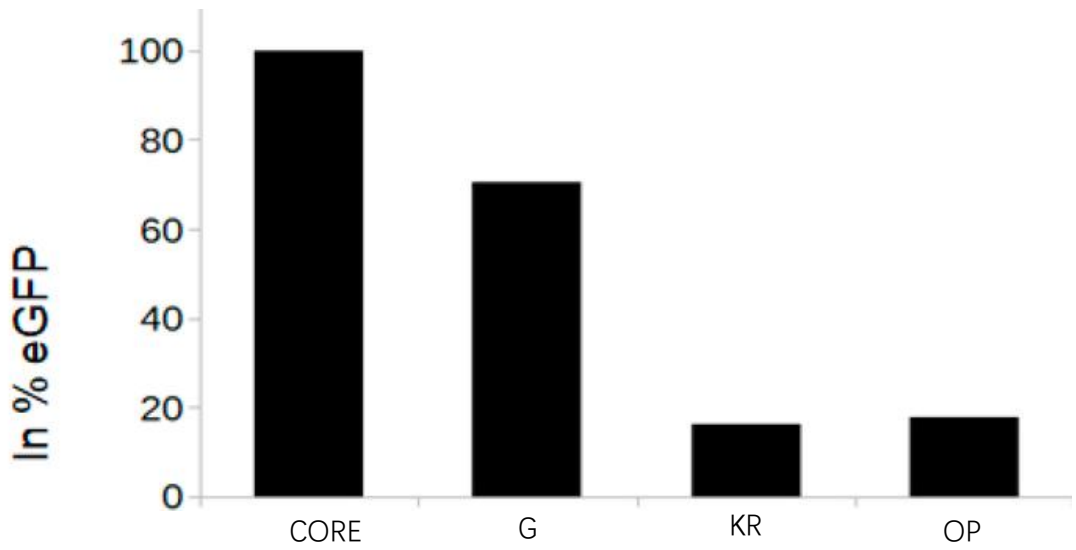
CORE™ 293 Series High-Performance Serum-Free Media

A fully suspension culture system specifically designed for exosomes, virus packaging, and high-level recombinant protein expression.

Break Through Expression Bottlenecks, Define a New Standard for 293 Cell Culture | Higher Titers • Higher Yields • End-to-End Process Support



Viral titer / Exosome yield Performance Comparison



Comparison of Viral Titers

- Under identical conditions: 20% higher LV titer than imported competitors; tens of times higher than domestic competitors.

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Core Pain Points

Low exosome yield
Low active ingredient content → cumbersome purification → high production costs.

Low viral packaging titer
Variable cell state, unstable transfection → low titers & poor reproducibility.

Lack of supporting process solutions
Universal media alone — no adaptation protocol or process guidance → potential left untapped.

Poor supply chain stability
Import/single-source dependency → batch variability → risks to continuity & compliance.

Key Advantages

CORE™ 293 Medium —— Not just nutrients — it's productivity

Ultra-high yield

✨Advantages & Features：Optimized for both exosome and virus production, tailored to the metabolic pathways of 293 cells, precisely matching the demands of cell growth and product synthesis.

Value for Customers：Significantly higher yield per unit volume [X]%, shortening production cycles, substantially reducing production costs, and increasing overall profitability.

Protein Expression

✨Advantages & Features：Perfectly adapted to high-density suspension culture systems, with enhanced ratios of amino acids and key trace elements to fully unlock cellular expression potential.

Value for Customers：Ensures stable recombinant protein expression and excellent activity, providing a solid foundation for the development of antibody drugs, vaccines, and recombinant protein therapeutics.

Complete Solution

✨Advantages & Features：Provides "out-of-the-box" standard operating procedures (SOPs) and comprehensive experimental manuals, covering the entire process from cell thawing to scale-up culture.

Value for Customers：Achieves zero trial-and-error cost, enabling R&D and production personnel to quickly get started and establish stable process systems, accelerating project timelines.

Deep Customization

✨Advantages & Features：Supports a collaborative process development model, offering personalized media formulation fine-tuning and optimization for your specific 293 engineered cell line.

Value for Customers：Precisely solves your unique expression challenges, circumvents the limitations of universal media, and builds a proprietary production process with a competitive moat.

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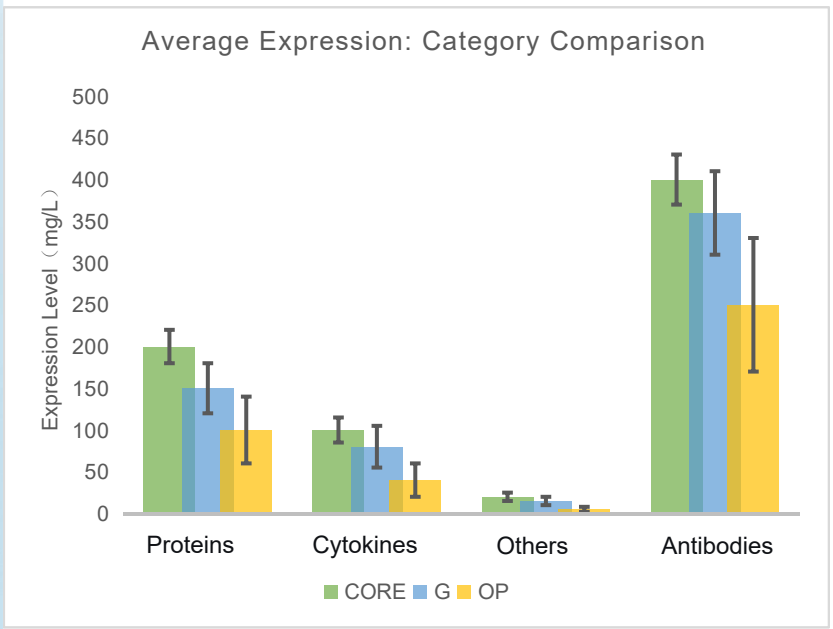
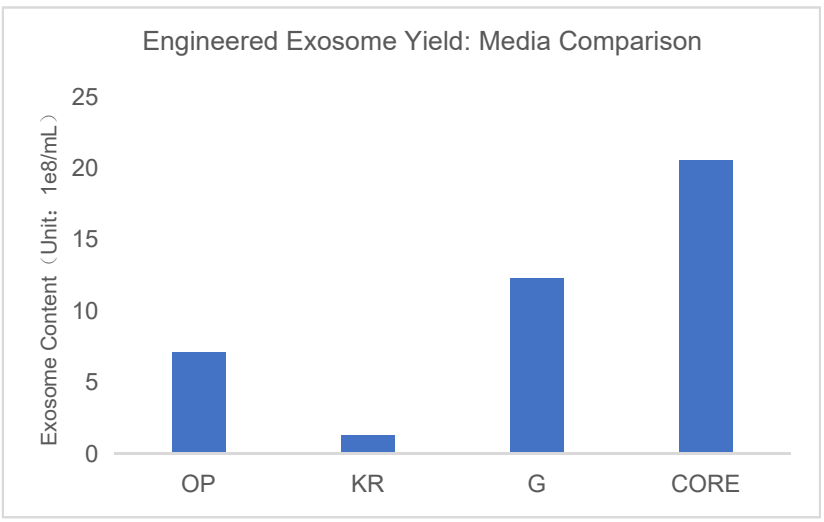
Performance Data Showcase



Significant expression level improvements across different protein types.

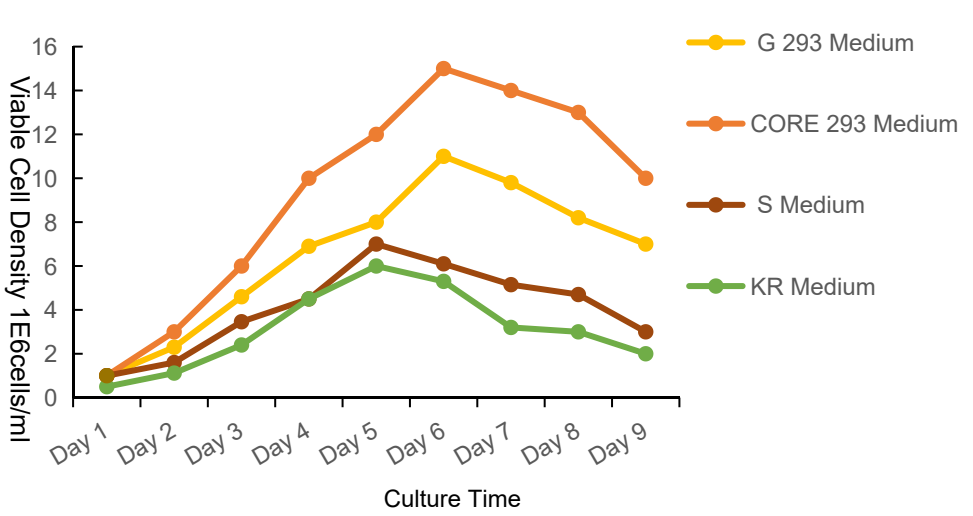
Exosome Yield (Particles/mL)



Significantly increases exosome particle count, with over 60% higher yield per unit volume — ideal for large-scale industrial production.

Cell Growth Viability

Short cell doubling time and stable growth. Cell viability remains above 95% throughout 5 days of continuous culture.



Applications

Exosome Large-Scale Production

Meets the high standards and high yield demands of clinical-grade CDMO services, enabling GMP-grade manufacturing.

Viral Vector Packaging

Optimized for efficient packaging of lentivirus (LV) and adeno-associated virus (AAV), enhancing viral production efficiency.

Biopharmaceutical Production

An optimized cell growth environment effectively promotes high expression of recombinant proteins and monoclonal antibodies.

Vaccine and CGT R&D

Widely used in various vaccine development and the cutting-edge field of cell and gene therapy (CGT).

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Service & Support

Free Sample

Free 500mL / 1L trial samples available — let the data speak, and start formal collaboration only when satisfied.

1-on-1 Technical Support

Senior process engineers on call — solving cell adaptation challenges and low-yield pain points.

Deep Customization Development

Secure formula data for key accounts; ton-scale customization & CMO.

Contact Information

Website：https://bioceangroup.com

Official Email：public@biocean.group

“Q&A” ：

Q：Is your 293 medium serum-free?

A：Yes, completely free of animal-derived components, chemically defined (CDM), and compliant with GMP requirements.

Q：My cells are adherent 293T. Can I use it?

A：Absolutely. We provide a specialized 'adherent-to-suspension adaptation protocol' that can usually be completed within 7–10 days.

Q：Can it be used for AAV production?

A：Yes. Our formulation supports multiple serotypes such as AAV2, AAV8, and AAV9 effectively, and also delivers excellent empty capsid rate performance.