



Gibco BioProduction Services

Custom solutions tailored to suit your
bioproduction needs

A comprehensive portfolio to fit your unique needs

Regardless of your stage of development or specialized needs, Gibco™ BioProduction Services offer a portfolio of customization options to help you successfully reach your bioproduction goals.

Our team provides streamlined solutions with customization to help you:

- Reduce risk, time, and cost
- Enhance productivity, scalability, product quality, and reliability for cGMP production
- Broaden your access to superior technologies while maintaining the utmost confidentiality and protection of your intellectual property (IP)

Team of experienced professionals

Our bioproduction process consultants and scientists bring decades of experience designing and running process development programs for biotherapeutics. When you partner with us, you gain access to a team of experienced professionals to help you develop strategies for improving the performance of your manufacturing process and to create solutions to overcome challenges.

Field Application Scientists (FAS)

Many of our FAS have trained and worked in process development for major biopharmaceutical manufacturers. Members of our FAS team have expertise in salient areas such as cell culture development, process characterization and scale-up, process troubleshooting, business analytics, cell culture production, product development, and process optimization/transfer. All of our team members have been trained in biopharmaceutical processes and the use and applications of Gibco™ products and services.

Global Business Development Managers

Our Global Business Development Managers have extensive experience in customizing project agreements with customers to deliver complete statements of work,

service agreements, and supply agreements. They leverage their extensive knowledge of biotech business modeling and life science investment evaluation to craft agreements that are mutually beneficial and that will help projects get initiated quickly.

Portfolio of customization options

Since each bioproduction project is unique, our team of professionals will discuss your needs with you in order to match the right services to them. No matter the level of our involvement in your process, protecting your intellectual property and maintaining confidentiality are paramount.

Level of our involvement and key services



1

Making your medium

When you have your own developed formulation, we can help troubleshoot processes, or provide your formulation in any of several formats (e.g., liquid, liquid concentrates, standard dry powder (DPM), and Gibco™ Advanced Granulation Technology™ (AGT™) so that you can have consistent, high-quality raw materials to go into your process.

2

Catalog product evaluation

Accelerated timelines, higher titer requirements, and an increasing number of catalog options demand a well-planned approach to cell culture development. We can help by analyzing your unique production requirements and providing you with cell culture options. The combination of catalog options that we provide is optimized to help you save time, effort, and cost.

3

Gibco Media Express Services

Gain confidence with our reliable, nimble, and responsive non-GMP custom service. Gibco™ Media Express Services are the ideal solution for:

- Small-scale process development for bioprocessing (ability to tweak formulations)
- Testing of newer formats for equivalence to original formulations for better efficiencies in scale-up

Formats	Turnaround time	Volume	Packaging	Container sizes
Liquid media (1x)	2 weeks	1 L–200 L	Bottles and BioProcess Containers	100 mL, 500 mL, 1 L bottles, 5 and 10 L BioProcess Containers
Dry powder media (DPM)	2 weeks	1–10 kg	Plastic containers	1, 2, and 5 kg
AGT media	4 weeks	2, 4, 6, 8 kg	Standard packaging	2, 4, 6, 8 kg
Liquid concentrate	2 weeks	1 L–200 L	Bottles and BioProcess Containers	100 mL, 500 mL, 1 L bottles, 5 and 10 L BioProcess Containers

4

Spent media analysis and consultation

We help process development scientists optimize their cell culture systems by analyzing media components as well as performing stability studies. We analyze spent media to measure amino acid and water-soluble vitamin levels, as well as other elements in media, to identify potential improvements to your media formulation and to address the nutrient needs in your unique cell culture system.

- Improve media performance
- Characterize your process
- Add efficiency in achieving objectives

5

Media panel options

When you need options for quick screening without providing your clone to a third party, take advantage of our media libraries or panels with consultation to help you quickly identify an option or custom media option.

As with catalog option testing, we begin with an analysis of your unique production requirements as well as information about your specific production clone. This is then followed by a panel for testing with recommended protocols. Upon completion of testing, we will then review the results with you to assist in selection and next steps.

6

Media and feed developments

When you partner with us, you gain access to our scientists. Our scientists possess deep expertise in cell culture media and can help you to develop or optimize your upstream processes. We have successfully completed over 100 custom media development projects. Our team can help you get the formulations right, which is crucial for a platform process.



**7**

Formulations and process development

Formulations often require identification within specific process parameters in order to provide optimized results in productivity and product quality. When your requirements go beyond the formulations alone, we can help you find the correct formulations combined with process parameters for bioreactor production. This starts with technical consultation with a FAS who has experience with process development.

**8**

Clone selection service

In some cases, finding the right production clone can be challenging after cell line development has started. If a higher-throughput clone selection is desired, Gibco BioProduction Services can provide clone selection support. Higher throughput to tens of thousands of clones screened can include Gibco™ ClonePix™ service. Following clone selection, we can also provide media and feed development.

**9**

Cell line development

The science of stable, production-clone cell line development has become a complex balance of investments in platforms, technologies, and personnel in order to meet the increasing demands of production within shorter development timelines. Our new product development programs take in to consideration factors such as transfection efficiency, cell productivity, media conditions, and cell line stability to satisfy growing requirements in the industry. We also help with platform optimization to help address a range of issues from expression construct design, high-throughput screening, access to intellectual property, harmonization of technology, and final product quality development to help you transition to a production medium and process.



Contact us

Our FAS and Business Development Managers are located worldwide. Email us at gibcoservices@thermofisher.com or contact your local sales representative to start your project with us today.

Find out more at thermofisher.com/gibcobpdservices

