

# Elevate your workflow with The Gibco Efficient-Pro Medium and Feeds system and join the mAb manufacturing revolution

The Gibco™ Efficient-Pro™ Medium and Feeds system is the latest mAb manufacturing solution from Thermo Fisher Scientific. Consisting of a high-performance medium and a choice of two premium feeds, our innovative system can help you optimize your process and support you to reduce development time, helping accelerate your mAb to market.



## Gibco™ Efficient-Pro™ Medium

An advanced, next-generation medium designed to work optimally with CHO cell lines with the Efficient-Pro feeds.

## Gibco™ Efficient-Pro™ Feeds 1 and 2

Two innovative, single-part feeds, formulated specifically for use in key bioproduction cell lines: Feed 1 for CHO-K1 and CHO-K1 GS cell lines, and Feed 2 for DG-44, CHO-S, and CHO-K1 GS cell lines.

## Process development

Designed using advanced multi-omics and bioinformatics, the Efficient-Pro system is a ready-to-use workflow solution that can fit seamlessly into your process.

- Maintain strong mAb titers and improve protein quality by choosing the Efficient-Pro system
- Improve performance by utilizing feeds specifically formulated for your cell line
- Implement straight off the shelf, or use as a starting point for further customization and optimization.

## Expansion and production

The Efficient-Pro system is designed to help maximize productivity through sustained culture health and improved cell viability, as well as lower levels of toxic metabolite production.

- Achieve up to 238% greater titers, along with up to 180% greater specific productivity, in key CHO bioproduction cell lines compared to other suppliers' systems<sup>[1]</sup>.
- Maintain longer production runs of up to 17 days, allowing for even greater productivity from existing processes with limited re-optimization.
- Realize performance improvements in a wide variety of CHO cell lines, including DXB11.

## Downstream processes

The Efficient-Pro system also facilitates the streamlining of downstream processes.

- Maintain titers with lower cell densities, reducing the amount of host cell proteins and waste materials that need to be removed during filtration.
- Achieve critical quality attribute targets, with optimized glycosylation patterns, charge-variant profiles, and protein aggregation levels.

## Level up your mAb manufacturing workflow with confidence

Developed with chemically defined and animal origin-free formulations, the Efficient-Pro medium and feeds have been designed to help you maintain batch-to-batch consistency. Additionally, through Thermo Fisher's global network of harmonized facilities and manufacturing redundancy, you can reduce the risk of supply disruption, enabling you to focus on your process.

### Reference

[1] Thermo Fisher Scientific (2022) Efficient-Pro Medium and Feeds improve productivity in CHO-K1, CHO-S, and DG44 cells. <http://assets.thermofisher.com/TFS-Assets/BPD/Application-Notes/efficient-pro-medium-and-feeds.pdf>

Learn more at [thermofisher.com/chomedia](https://www.thermofisher.com/chomedia)

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