

Bioproduction

Gibco Rapid Prototyping Service

Small-scale non-CGMP media manufacturing

Gibco™ Rapid Prototyping Service offers small-batch, custom media manufacturing solutions for research and process development. Utilizing our dedicated non-CGMP labs and CGMP-quality raw materials and processes, the Gibco Rapid Prototyping Service team provides media manufacturing expertise in liquid, dry powder media (DPM), and Gibco™ Advanced Granulation Technology (AGT™) media formats.

Pilot-scale non-CGMP facilities* provide the opportunity to:

- Test manufacturability and scalability of a formulation prior to CGMP scale-up
- Modify existing formulations by adding novel components or reducing and removing components not driving cell culture performance
- Source and test unique raw materials
- Convert media to a new format such as AGT media
- Improve assurance of supply by qualifying Thermo Fisher Scientific as a primary and/or secondary source

Our experienced production team will help ensure your formulation is consistent and scalable, leading to a streamlined transfer to our CGMP manufacturing facility when you are ready. And, with the support of our responsive customer service and technical sales teams, your custom media can be shipped in as little as 10 days after ordering.**



Table 1. Processes and materials mirror CGMP production, helping to accelerate technology transfer during customer scale-up.

Gibco Rapid Prototyping Service: test and finalize formulation		CGMP: Clinical- to commercial-scale production	
Feasibility	Team conducts review of product feasibility and design for manufacturing	Technology transfer	Team conducts full CGMP feasibility review on custom orders
Raw materials	CGMP-qualified raw materials; novel raw materials by request		CGMP-qualified raw materials; novel raw materials by request
Batch records	Full batch record created		Full batch record created
Equipment	Lab-scale FitzMill™ equipment, pin mill, V-blenders, tumble blenders; lab-scale AGT granulator		POMS manufacturing execution system (MES) dispensing; CGMP FitzMill and pin mill equipment, tumble and ribbon blenders, V-blenders, bin blenders, commercial-scale AGT granulator
Capacity	Liquid media (1x) and liquid concentrate: 1–600 L DPM: 1–30 kg AGT: 1–8 kg		Liquid: 10–10,000 L DPM: 20–7,500 kg AGT: 50–1,000 kg
Testing	pH, osmolality, sterility, solubility		Standard and custom testing available
Packaging	Standard bottles, Thermo Scientific™ BioProcess Containers (BPCs), buckets; custom packaging by request		Standard bottles, BPCs, buckets; custom packaging by request
Delivery	For standard orders: Liquid media, liquid concentrate, DPM: 2 weeks AGT format: 4 weeks		Liquid, DPM, AGT format: 8 weeks New Cat. No.: 10 weeks

* While Gibco Rapid Prototyping Service can use animal origin–free (AOF) raw materials, this service is not performed in an AOF facility due to a lack of dedicated equipment and proper segregation.

** Complex formulations, novel raw materials, and custom packaging may increase manufacturing times.

Standard capacity and packaging

We can rapidly deliver your media in a variety of formats. Please work with your account manager for custom inquiries.

Table 2. Liquid media batch sizes.

Container	Maximum batch size
100 mL bottle	20 L
500 mL bottle	100 L
1,000 mL bottle	200 L
1 L BPC (Thermo Scientific™ Aegis5-14™ or CX5-14 film)	200 L
5 L BPC (Aegis5-14 or CX5-14 film)	600 L
10 L BPC (Aegis5-14 or CX5-14 film)	600 L
20 L BPC (Aegis5-14 or CX5-14 film)	600 L
50 L BPC (Aegis5-14 or CX5-14 film)	600 L
100 L BPC (Aegis5-14 or CX5-14 film)	600 L
200 L BPC (Aegis5-14 or CX5-14 film)	600 L

Table 3. Dry media formats.

Batch sizes and containers	Dry powder media	AGT media
Minimum batch size	1 kg	1 kg
Maximum batch size	30 kg	8 kg
Container	Ropak™ bucket	Ropak bucket
Container sizes	1, 2, 5, or 10 kg	2, 4, 6, or 8 kg

Please contact your cell culture account manager to find out how to place your order today.



Multimedia resources



Case study

Successful manufacturing of dry powder media from development to large-scale cGMP production.

A two-phase strategy to deliver rapid prototype material and help sustain quality with scale-up.

[Download now](#)



On-demand webinar

Accelerating cell culture media manufacturing: from rapid prototyping through cGMP.

[Register and view](#)

Find out more at thermofisher.com/media-manufacturing

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