

End-to-end custom media and buffer solutions

Non-GMP and GMP capabilities

One partner. Seamless scale-up. Global supply.



Media development service

Accelerate media optimization and reduce scale-up risk with data-driven screening and expert analytics designed to support confident development decisions.

Lonza's Media Development Lab (MDL) helps identify the right formulation early while keeping seamless scalability and commercial manufacturing in focus.

Advanced media screening and flexible engagement

Data-driven DoE optimization

Structured screening to quickly identify high-performing formulations

Proprietary media and feed libraries

Access exclusive Lonza formulations beyond standard catalog options

Cost-optimized formulation

Select scalable raw materials to control costs

Scale-ready results

Generate data aligned with non-GMP, GMP manufacturing, and CDMO integration



How you engage



Full in-house service

Lonza designs and executes the complete screening and optimization program



Consultation service

Your team executes with DoE design, expert guidance, and data interpretation from Lonza

Rapid media prototyping (Non-GMP)

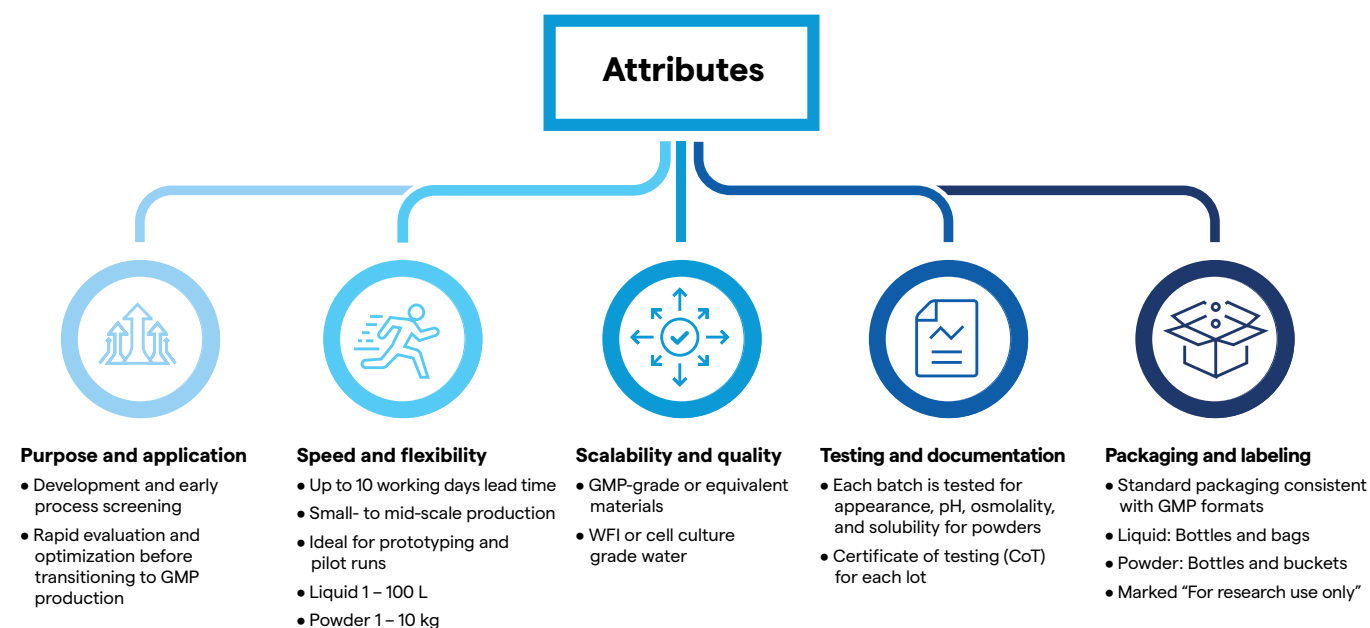
Small scale enables rapid pilot evaluation

Fast turnaround accelerates confident decision making

Flexible collaboration fits your project timeline

Reliable processes support seamless GMP transition

End-to-end expertise for scaling up from pilot to GMP



Walkersville, USA

Rapid Media Prototyping, GMP Production



Tuas, Singapore

Media Development Lab, Rapid Media Prototyping

Custom media GMP manufacturing

Reliable manufacturing ensures consistent global supply

Compliant processes meet global GMP standards

Scalable production supports pilot-to-commercial growth

Traceable operations deliver complete batch records

Dual-site manufacturing ensures supply continuity



Attributes



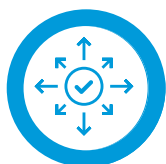
Purpose and application

- Commercial production with full regulatory compliance
- Custom formulations or catalog media revisions



Speed and flexibility

- Standard 12-week lead time
- Large-scale manufacturing
- Powder 20 – 7,000 kg
- Liquid 200 – 10,000 L



Quality and compliance

- GMP water loop systems
- ISO 9001, ISO 13485, and 21 CFR 820



Testing and documentation

- Each batch QC tested for appearance, solubility, pH, and osmolality
- Approved batch records
- Certificate of analysis (CoA) for every lot



Packaging and labeling

- Approved containers consistent with GMP standards
- Marked "For Further Manufacturing" to support compliant downstream use



Walkersville, USA

Rapid Media Prototyping, GMP Production

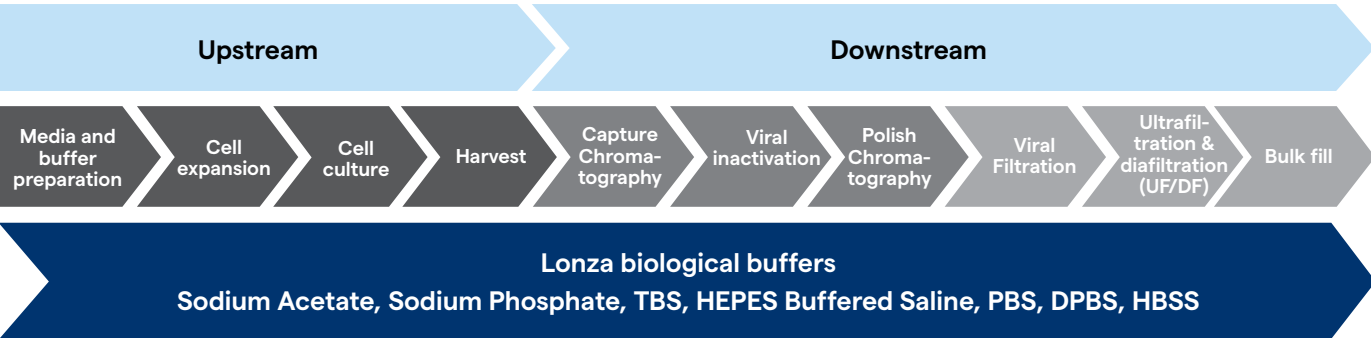


Verviers, Belgium

GMP Production

Buffers

Lonza’s manufacturing buffers are meticulously designed to deliver high purity and consistency, essential for reliable biopharmaceutical production. Offering scalable solutions aligned with GMP compliance, these buffers optimize workflows, mitigate contamination risks, and enhance process reliability. By leveraging Lonza’s expertise, they seamlessly integrate into diverse manufacturing requirements, ensuring operational excellence.



Custom buffers

Tailored fill volumes and bioprocess container options to meet specific process requirements

- Liquid batch sizes available from 20 L to 1000 L
- Fast turnaround times ensuring efficiency and reliability

Catalog buffers

Product number	Description	Format	Volume
BEBP17-737E	HEPES Buffer GMP (1M)	Liquid	100 mL
BEBP17-516Q	TheraPEAK® PBS	Liquid	1 L
BE15-516F	PBS	Powder	50 L
BE15-512D	DPBS	Powder	10 L
BE15-512F			50 L
BE15-512K			1000 L
08-003A	HBSS (Hanks' Balanced Salt Solution)	Liquid	4 L

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Learn more.



bioscience.lonza.com/custom-media-and-buffer-solutions

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