

Small scale Blow-Fill-Seal (BFS) system

A rapid, flexible, and safe solution for sterile filling into BFS containers. Our solution is designed to help you meet your small batch needs while protecting your product.



Projects we can support:

- ▶ Various types of polymer
- ▶ Various types of dose design
- ▶ Suitable for sensitive compounds
- ▶ Suitable for very small batch sizes

With our new unique LAB+ Weiler equipment, the first installed in the EU, we can support you in early development projects, such as proof of concept, small scale clinical batches, small batches for commercial production and early stability studies. Recipharm is a leader in unidosed production using BFS technology, with more than 40 years of BFS technology experience. Our team can support you in determining right BFS approach for your product.

Adaptable for a range of applications

The Lab+ system can run with multiple polymer types to meet packaging compatibility requirements. The system can also be charged with formulation using both conventional multi-use charge bottles or single-use charge bags, streamlining the technical transfer process and enhancing flexibility.

Batch sizes

- ▶ 200mL - 20L

Drug product types

- ▶ Solutions, gels, suspensions, emulsions
- ▶ Ophthalmic drug products, filling of dose sizes between 0.15mL and 3mL
- ▶ Inhalation treatments, filling of dose sizes between 0.5mL and 5mL
- ▶ Sterile injectables, including vaccines and biologics

A range of container polymer types (such as LDPE and PP) and dosage designs can be used.

Dosage designs

- ▶ Single-dose
- ▶ Multi-dose
- ▶ Luer-lock neck compatible for use with drug delivery devices, such as inhalers, auto-injectors, or syringes

Safe filling technology for sensitive compounds

The Lab+ is incorporated into a line featuring a range of environmental controls to meet the filling needs of even the most sensitive products. We can operate Lab+ under cleanroom conditions ideal for ophthalmic and injectable formulations, and for sensitive large-molecule formulations with stability issues.

Our BFS containers are manufactured using Low-Density Polyethylene (LDPE) types that comply with the United States Pharmacopeia (USP) Chapter 661.1 requirements concerning extractable metals and plastic additives, ensuring a consistent extractable profile. Additionally, these containers meet the USP Chapter 87 standards for biological reactivity, demonstrating the absence of cytotoxic potential.

Environmental controls

- ▶ Sterile fill & finish
- ▶ Nitrogen filling atmosphere for biologic products
- ▶ Temperature controlled environment

Find out more

To learn more about how your product could benefit from blow-fill-seal technology and the Lab+ system, contact our experts today: recipharm.com/contact-us



About us

Established in 1995, Recipharm's manufacturing, fill & finish, and delivery-device services encompass a wide variety of drug dosage forms and modalities. Recipharm is an industry leading CDMO with over 30 facilities and 9,000 employees globally – supporting companies that are developing small molecules, biologics, and drug-device combinations. The company operates development and manufacturing facilities in France, Germany, India, Israel, Italy, Portugal, Spain, Sweden, the UK and the US.

Introducing ReciBioPharm, Recipharm's biologics business combining the capabilities of recently acquired CDMOs Arranta Bio, Genlbet and Vibalogics. Our expanded biologics drug development and manufacturing services encompass technologies based on live viruses and viral vectors, live-microbial biopharmaceutical products, recombinant proteins, nucleic acid-based mRNA and plasmid DNA production.