



Filling capacity in Bilthoven Biologicals Pre-Filled Syringes (PFS)

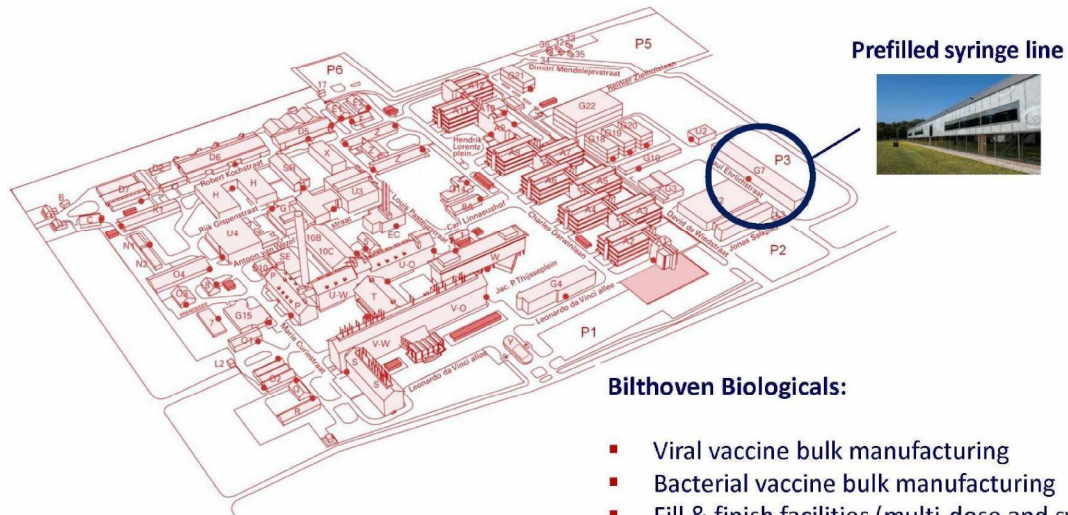
Prefilled syringe line

Key facts

Product:	1 ml - 2 ml syringe
Filling capacity:	30,000 syringes/day
Annual production:	6-7 Mn syringes/year
Status:	newly installed, validated and fully operational
Staff:	cGMP trained and qualified
Availability:	upon request, directly available Q4 2020 - 2021



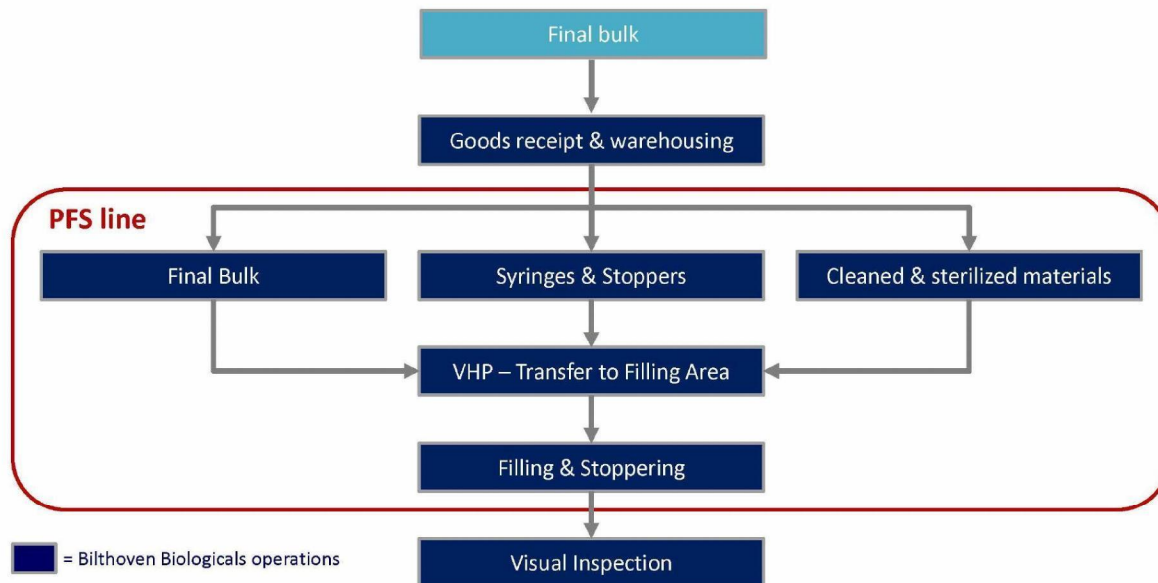
Part of Bilthoven Biologicals



Bilthoven Biologicals:

- Viral vaccine bulk manufacturing
- Bacterial vaccine bulk manufacturing
- Fill & finish facilities (multi-dose and syringes)
- Media preparation facility
- Cleaning & sterilization facility
- Quality Control labs

PFS - High-level process flow



PFS - Considerations

- Bilthoven Biologicals is experienced with fill & finish in syringes
- Availability of cGMP supporting activities for any additional required support (QA, QC, Regulatory, Warehousing, etc.)
- Experienced with large scale cGMP vaccine manufacturing & distribution
- In addition to filling in syringes, experience with mixing and/or filling in multidose
- High-quality PFS line which could be made available on due course

