



Accelerate and derisk the life-cycle-management of your COVID-19 vaccine

Considering Pre-filled syringes as a delivery option for your COVID-19 vaccine

COVID-19 has increased the pressure on a healthcare eco-system that needs safe and effective solutions in a very short timeframe. Today, less than 40%¹ of vaccine containers are syringes and at Stevanato Group we are supporting the strong growth of this market. Even without considering the impact of COVID-19, the demand for vaccines in syringes is expected to witness a CAGR growth of 8%² in volume from 2020 to 2024, as more vaccines are introduced to the market with this primary packaging configuration.

There are more than 230³ vaccines in development for COVID-19; of these, about 2% are known to be launched in syringes, the rest in vials. As the world needs several billion doses, the already available filling capacity for syringes can complement the expanding capacity for vials to meet this demand.

Drug delivery and containment solutions must be able to meet different temperature, delivery and volume requirements

Vaccines and their unique characteristics require different packaging characteristics in terms of sensitivity to temperature, scale of manufacture and delivery technology.

The development of COVID-19 vaccines is set to change the landscape forever as customers will need scalable and cost-efficient packaging solutions that optimize manufacturing, storage mitigating supply chain challenges, to deliver vaccines to patients around the world at speed.

Stevanato Group has the containment solution, with a ready to use configuration

Our range of state-of-the art syringes and add-on components support secure COVID-19 treatments and vaccines for patients worldwide. Available in bulk and SG EZ-fill®, our primary packaging safeguards biodrugs integrity and provide reliable performance.



Pre-filled syringes can speed life-cycle-management to better meet user needs by reducing time and improving vaccine delivery

- Reducing the number of steps needed for injection
- Dose accuracy remains independent of preparation
- Limiting the cost and risk associated with overfill and dead volume
- Mitigating the risk of injury and cross-contamination
- Lowering the vaccine wastage.

SG EZ-fill® syringes

Our washed, siliconized and ready-to-fill syringes from 0,5mL to 5mL with staked needle, luer cone or luer lock, ensures operational efficiency during filling and packaging operation thanks to exacting tolerances, high cosmetic quality and mechanical resistance.

SG ITC

The Integrated Tip cap for SG EZ-fill® syringes enables the end user to easily connect vial adapters or hypodermic and safety needles and allows for a combination of needle size/lengths to suit the patient's individual requirements.

Your delivery system partner

Available formats and associated components

	STACKED NEEDLE		LUER CONE		
	 NS	 RNS	 TC	 OVS	 ITC
1 ml long	•	•	•	•	•
1 ml std	•	•	•	•	•
1.25 ml			•		•
1.5 ml				•	•

Stevanato Group 1 mL STD with ITC

- Plunger Rod
- Backstop

RTU/RTS

- Aptar Stelmi
- Datwyler
- West

Value-added laboratory services

Utilizing decades of expertise and experience in drug containment solution, Stevanato Group's Technology Excellence Centers in Europe and the US partner with clients to provide a range of analytical services including container closure integrity testing, particle analysis, gliding force and other syringe mechanical and functional testing, ensuring your syringe meets the required specifications for your drug formulation.

Bench vision unit

Our Bench vision unit has been developed to deliver maximum flexibility, utilizing the same software and component design as our automatic visual inspection equipment used on production lines throughout the world. It facilitates operations and inspection, allowing a smooth journey from lab to mass production.

Now is the time to consider syringes to accelerate and derisk your COVID-19 vaccine development

Stevanato Group is expanding its capacity to meet the increasing demand of prefillable syringes worldwide. In order to secure supplies, pharma partners should look to secure the required volumes at an early stage and validate multiple sourcing of raw materials (e.g. glass tubing, rubber closures) to ensure business continuity and a robust supply chain.

Stevanato Group is a partner of choice in drug development and life cycle management, from the fast delivery of samples to full industrialization. With the support of SMEs and analytical testing, we can support in the delivery of a safe and effective vaccine, acting as a single point of contact for the full solution supply, from systems to technologies and services (including regulatory support).



To find out more about how Stevanato Group integrated capabilities can support you in bringing your vaccine to market faster, contact your sales representative or visit www.stevanatogroup.com/en/covid-19/integrated-solutions