

## Ensuring good manufacturing practice in the race against COVID-19

**There is intense pressure and scrutiny on vaccine development and delivery particularly in the middle of a pandemic. Regulatory bodies are adapting to new ways of working to approve products but compliance with current good manufacturing practice (GMP) remains essential.**

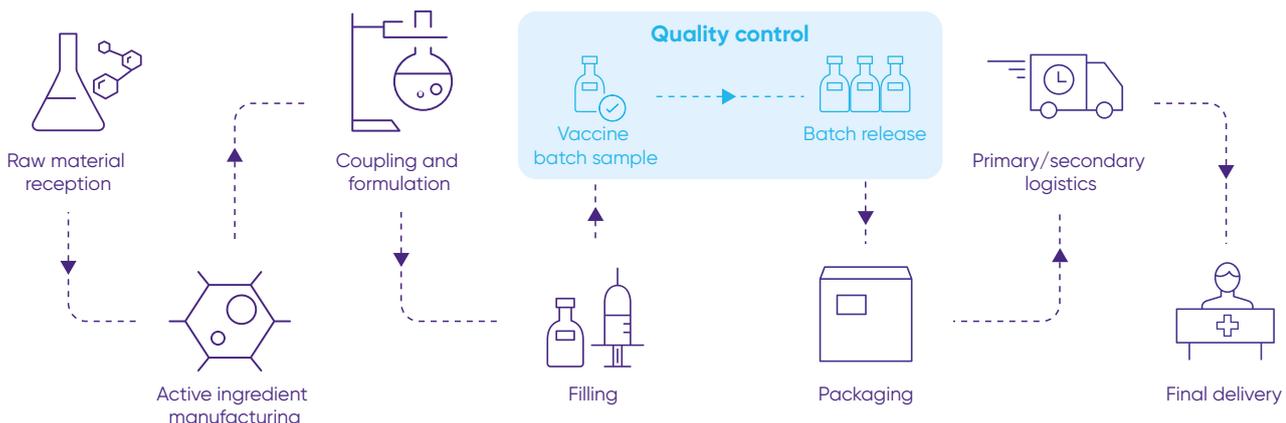
Manufacturing vaccines is a complex process. Production can take from 6 to 36 months but extraordinary circumstances, such as COVID-19, have led to significant reductions – down to 2 months in certain cases. However, this process still requires continuous assessment of the safety, potency and purity of a product. It includes testing each batch of the vaccine at every step of the process to obtain the highest quality standards prior to the final release and/or distribution. This is a routine practice required for any drug product throughout manufacturing. Without this quality control, there can be no batch release and, in our customer's case, no COVID-19 vaccine.

### **Scenario: When timing and optimum temperature control are non-negotiable**

When the COVID-19 outbreak was declared in January 2020, the race to develop, approve and manufacture treatments and vaccines began. Pharmaceutical and biotechnology companies joined forces to accelerate development and testing in the record time of less than a year.

While the distribution of the vaccines is a challenge in itself, logistics also plays a major role during the manufacturing process, when any delay could impact the rest of the supply chain and the aim for faster protection of populations.

Our customer, a large pharmaceutical company, approached us to transport vaccine batch samples, daily, from their manufacturing site in Europe to laboratories across the continent and in the US.



The vaccine manufacturing process



**Best-in-class experience  
at the rate of 15 to 200  
samples per day.**

Our expertise in time- and temperature-sensitive transport was key in their decision-making process as those batch samples would form the basis for the later stages of the vaccine manufacturing.

**Solution: Increased visibility and peace of mind**

A bespoke solution was designed including the selection of adapted dry ice packaging and a monitoring system as well as the introduction of a dedicated centralized team to manage all shipments, 24/7. This enabled our customer to receive constant communication and real-time tracking information about their precious shipments.

**Outcome: A part of something bigger**

Delivering a performance rate of 100%, we support a critical part of a naturally complex supply chain, which is essential during the manufacturing process, at the rate of 15 to 200 samples per day and 10-15 shipments per week.

Thanks to a best-in-class experience, we helped our customer comply with the quality control requirements in a timely manner so they could move forward to the subsequent steps of their manufacturing process with the aim to ultimately produce, package and deliver high quality vaccines to communities around the world.

**Summary**

At World Courier we understand the importance of ensuring on-time and in-temperature delivery for every shipment. Failure to deliver at any stage of the manufacturing process could result in a snowball effect with critical consequences, ultimately delaying vaccination programs rollout globally.

**For end-to-end visibility and security for the  
transportation of your safety samples,  
[contact us to learn more about our solutions.](#)**