






USE CASES



# Comprehensive cGMP Raw Materials Service

For bioprocessing applications from sourcing  
and stocking to packaging and dispensing.

ILC Dover offers a comprehensive solution to various business challenges associated with cGMP raw materials in bioprocessing, so customers can mitigate supply chain disruptions, improve operational efficiency, and avoid capital investment. By leveraging ILC Dover as a reliable source of raw materials, tapping our diverse packaging options, and storing materials in our cGMP warehouse, customers can minimize the total cost of ownership and maximize productivity.

Customer Situation	ILC Dover Solution	Results
<p>A CDMO must expand its warehouse to accommodate rapid product portfolio growth. Moreover, the company must maintain safety stock to account for fluctuations in lead times for critical raw materials. The company is concerned about the cost and timeline required to enlarge its warehouse to achieve business goals.</p>	<p>We offer a stocking agreement, allowing customers to store critical materials in our cGMP warehouse. To ensure on-time, in-full (OTIF) delivery, we help determine forecasted demand and safety stock. Customers can reduce capital requirements for inventory and warehouse expansion while simplifying the supply chain.</p>	 <p>Improved delivery efficiency and shorter lead times</p>
<p>A biotech company is at risk of a facility shutdown due to interruptions in the supply of raw materials crucial to manufacturing. Warehouse limitations prevent the company from maintaining adequate safety stock. The combination of a scarcity of reliable sources for essential raw materials and capacity restrictions puts the business in danger of discontinuity.</p>	<p>We offer options from our pool of qualified suppliers, allowing customers to choose a supplier that satisfies quality and supply needs. By leveraging us as a secondary source, customers avoid supply disruptions for essential chemicals, which may arise due to a single-sourcing strategy.</p>	 <p>Secondary sourcing to mitigate supply chain risk</p>
<p>A pharm company experiences increased complexity and operational costs as its manufacturing volume grows. This presents risks such as needing more full-time employees to manage suppliers and planning, significant investments in warehouse expansion, and inventory shortcomings.</p>	<p>We can manage suppliers and orders by facilitating pricing, auditing, and quality agreements while resolving shipping and sourcing issues as needed. We also can handle change management and address quality concerns with suppliers. To help alleviate capacity limitations, customers can store materials in our cGMP warehouse and carry out various packaging options in our cleanrooms.</p>	 <p>Integrated solution and supply chain resilience</p>
<p>A gene therapy manufacturer aims to address capacity limitations in its liquid and buffer preparation process. The company intends to outsource non-core manufacturing activities, such as weighing and dispensing powders, while retaining hydration in-house. The company is seeking a chemical supplier that provides trusted-weight dry powders in single-use bags to be dispensed into specific containers validated for its process.</p>	<p>We work with customers to develop a tailored, trusted-weight packaging solution that adds value to their processes. Our EZ BioPac® bags encapsulate pre-filled, trusted-weight dry powder chemicals that can be easily hydrated, simplifying the liquid preparation process. Customers can select chemicals from our inventory or their preferred suppliers. This eliminates the need for costly trusted-weight packaging facilities, allowing customers to focus on core manufacturing operations and save on expenses.</p>	 <p>Simplified liquid and buffer preparation with pre-weighted, ready-to-hydrate powders in single-use bags</p>
<p>A biopharma company is faced with the dilemma of whether or not to finance the construction of a new warehouse and cleanroom as well as hire additional packaging personnel to meet the demands of an expanding product portfolio. The company is exploring alternative options to evade substantial capital and operational expenditures while still fulfilling overall business objectives.</p>	<p>We conduct raw material sampling and packaging in validated cleanrooms, store large material lot sizes in our cGMP warehouse, and pack down in formats of the customer's choice. They avoid costly packaging and storage facilities, enabling significant savings in capital and operational expenditures. They can save on quality assurance release activities such as raw material sampling, QC testing, and risk exposure. Lastly, they experience a decrease in material delivery time from our warehouse.</p>	 <p>Enhanced operational efficiencies and fewer capital expenditures</p>

# cGMP Raw Materials Service

The most efficient solution to streamline all aspects of your cGMP raw materials workflow



## Estimated Cost Saving

- \$5M Warehouse & Cleanroom CapEx
- \$300K Raw Materials, Sampling & QC Testing
- \$2M Reduced Risk of Production Delays
- \$300K Warehouse & Cleanroom OpEx
- \$50K Annual QA Release Activities
- \$100K Annual Inventory Carrying Cost



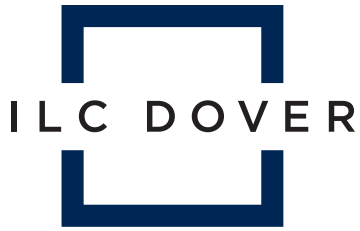
## Partner Service Organization

ILC Dover is committed to uncovering unique, tailored solutions to your specific goals and challenges. We're innovative in personalizing cGMP services and solving even the most complex packaging applications.

## ILC Dover Advantage

- Market leader in powder handling solutions
- Meet workflow specifications in chemical grade, format, and packaging
- Access our global manufacturing network and expansive chemical portfolio
- Ensure confidence in material quality and supply chain with a trusted partner

Find out more at [www.ilcdover.com/products/cgmp-raw-materials/](http://www.ilcdover.com/products/cgmp-raw-materials/).



## BEYOND BOUNDARIES®

ILC Dover is a world-leader in the innovative design and production of solutions for biopharmaceutical, pharmaceutical, medical device markets as well as a leading supplier for the (aero)space industries. Our customers will attest to our relentless dedication to high value products, advanced technology, and responsive service, as our visionary solutions have improved efficiency while safeguarding people, product, and infrastructure in hazardous conditions through flexible protective solutions since 1947.

 **HEADQUARTERS**  
One Moonwalker Road  
Frederica, DE (USA) 19946  
customer\_service@ilcdover.com  
+1.302.335.3911 x506 - Tel  
+1 302.335.1320 - Fax

 **CUSTOMER SERVICE**  
+1.800.631.9567 (US Toll Free)

 **WEBSITE**  
[www.ilcdover.com](http://www.ilcdover.com)



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