

# Innovation in action: How Körber and Dipharma resolved a packaging challenge






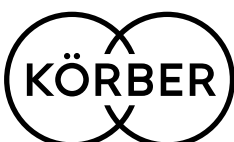
As a pharmaceutical company, you could bring the best and safest medication to the market – and yet, the product could almost completely fail to fulfill its purpose due to inadequate packaging. When Dipharma SA, a pharmaceutical company specialized in high-quality drugs for congenital metabolic disorders, faced a challenge with friable tablets, they turned to Körber for a solution. Being a specialist in innovative and high-quality pharmaceutical secondary packaging, Körber was able to support Dipharma SA in improving its packaging

challenge thanks to a custom revamp and a thorough drop test of the packaging by its own service offer Packaging Qualification Service (PQS).

In the pharmaceutical industry, ensuring product quality is paramount. It is not just a requirement, but a commitment to the well-being of patients. This not only includes the regulated production with qualified machines and the strict formulation of the medication. It also comprises the robust and secure packaging of tablets to ensure that they reach the patient in the desired form as well as to help them adhere to the doctor’s instructions on how medication should be taken.

## At a glance

|  Challenges   |  Solution   |  Customer benefits  |
|--|--|--|
| <ul style="list-style-type: none"> <li>• Friable soluble tablets in a bottle</li> <li>• Reducing the number of broken tablets to zero, even if handled improperly</li> <li>• Production of small lots</li> </ul> | <ul style="list-style-type: none"> <li>• Adaption of Körber’s “Safepack” to fit Dipharma’s product requirements</li> <li>• New packaging was double walled with an air chamber on all six sides, providing increased protection for tablets</li> <li>• Körber conducted a drop test in their Packaging Qualification Center for the new packaging to ensure its effectiveness</li> </ul> | <ul style="list-style-type: none"> <li>• New packaging significantly reduced the risk of broken tablets</li> <li>• Product safety has been increased fourfold</li> <li>• Improved packaging met national and international drug regulations, as well as Good Manufacturing Practices (GMP) and FDA requirements</li> <li>• Collaboration with Körber allowed Dipharma SA to continue providing high-quality medications to their patients</li> </ul> |



## From broken tablets to fall-proof packaging

After meeting Körber for the first time at a trade fair, the young drug manufacturer Dipharma SA contacted us with a challenge. As Dipharma SA specializes in high-quality drugs for rare metabolic diseases, patients rely on their medication for treatment. However, the company realized that in some extreme conditions, the packaging was not able to prevent the breakage of some tablets.

**“Our primary concern was to ensure that our patients always receive their medication in perfect condition.”**



**Gianluca Venturi**  
Scientific & Technical Operation  
Specialist at Dipharma SA

With Körber offering renowned expertise and extensive experience in the market of pharmaceutical packaging, our packaging specialists of Körber's Business Area Pharma took on the challenge. When considering new packaging solutions, the main concern revolved around ensuring compliance with national and international drug

regulations, as well as adherence to Good Manufacturing Practices (GMP) and FDA requirements. Additionally, Dipharma's need was to create an innovative folding box designed to safeguard their medication while still providing comprehensive information about the product.

Körber therefore offered to adapt their innovative “Safepack” design to meet Dipharma's specific needs. This new packaging was double walled with an air chamber on all six sides, providing increased cushioning for the bottle and protection for fragile tablets.

But how could Dipharma SA be sure that the new packaging was effective? Körber had the answer: a thorough drop test in a Körber Packaging Qualification Service (PQS). The customized Safepack significantly improved protection compared to the previous packaging, even under the most extreme conditions.

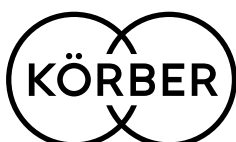
**“The testing process involved dropping the package multiple times to simulate potential real-world accidents. And the results were impressive.”**



**Claudia Langjahr**  
Packaging Development Engineer,  
Körber Pharma Packaging Materials AG



Left packaging: Optimized with Safepack; Right packaging: Original without protection of the contents.



## Enhanced product safety

For Dipharma, the drop test was crucial in understanding how packaging plays an essential role in protecting their products. This collaboration exem-

plifies how innovative solutions can address industry challenges. Together with Körber, Dipharma was able to improve product quality and reliability, ultimately benefiting the patients who rely on these medications.

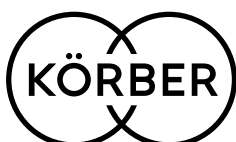
**“The cooperation with Körber has been very fruitful. The team demonstrates a high level of professionalism and attention to detail. Their dedication and support have been invaluable for reaching our goals.”**



**Gianluca Venturi**  
Scientific & Technical Operation  
Specialist at Dipharma SA



Körber's Safepack: The solution for fragile medication.



## About Dipharma

Dipharma SA is a Swiss pharmaceutical company, developing high-quality, improved medicine for rare diseases. Dipharma SA is part of a group of third-generation family businesses that have grown into a global presence. With a portfolio of generic orphan products for the treatment of phenylketonuria, Gaucher disease, hereditary tyrosinemia type 1, urea cycle disorders and others, Dipharma SA provides improved solutions for patients affected by inborn metabolic diseases at an affordable cost and with a global reach.

[www.dipharma.ch](http://www.dipharma.ch)

## About Körber

We are Körber - an international technology group with more than 12,000 employees at over 100 locations worldwide and a common goal: We turn entrepreneurial thinking into customer success and shape technological change. In the Business Areas Digital, Pharma, Supply Chain, and Technologies, we offer products, solutions and services that inspire. We act fast to customer needs, we execute ideas seamlessly, and with our innovations we create added value for our customers. In doing so, we are increasingly building on ecosystems that solve the challenges of today and tomorrow. Körber AG is the holding company of the Körber Group.

## Delivering the difference in pharma

At Business Area Pharma, we deliver the difference along the entire pharmaceutical value chain by offering a unique portfolio of integrated solutions. Based on in-depth experience spanning consulting, inspection, transport systems, packaging machines and materials, track and trace and software, we understand the challenges in pharmaceutical processes and regulation that our customers face day to day, from the beginning to the end of their production. For them, we deliver the difference to unlock the potential of global pharmaceutical and biotech manufacturing.

## Contact us today

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**Dipharma**

*Better Together.  
Improved Solutions for Rare Diseases*