



**FOCUSED INNOVATIONS  
IN LIFE SCIENCES**

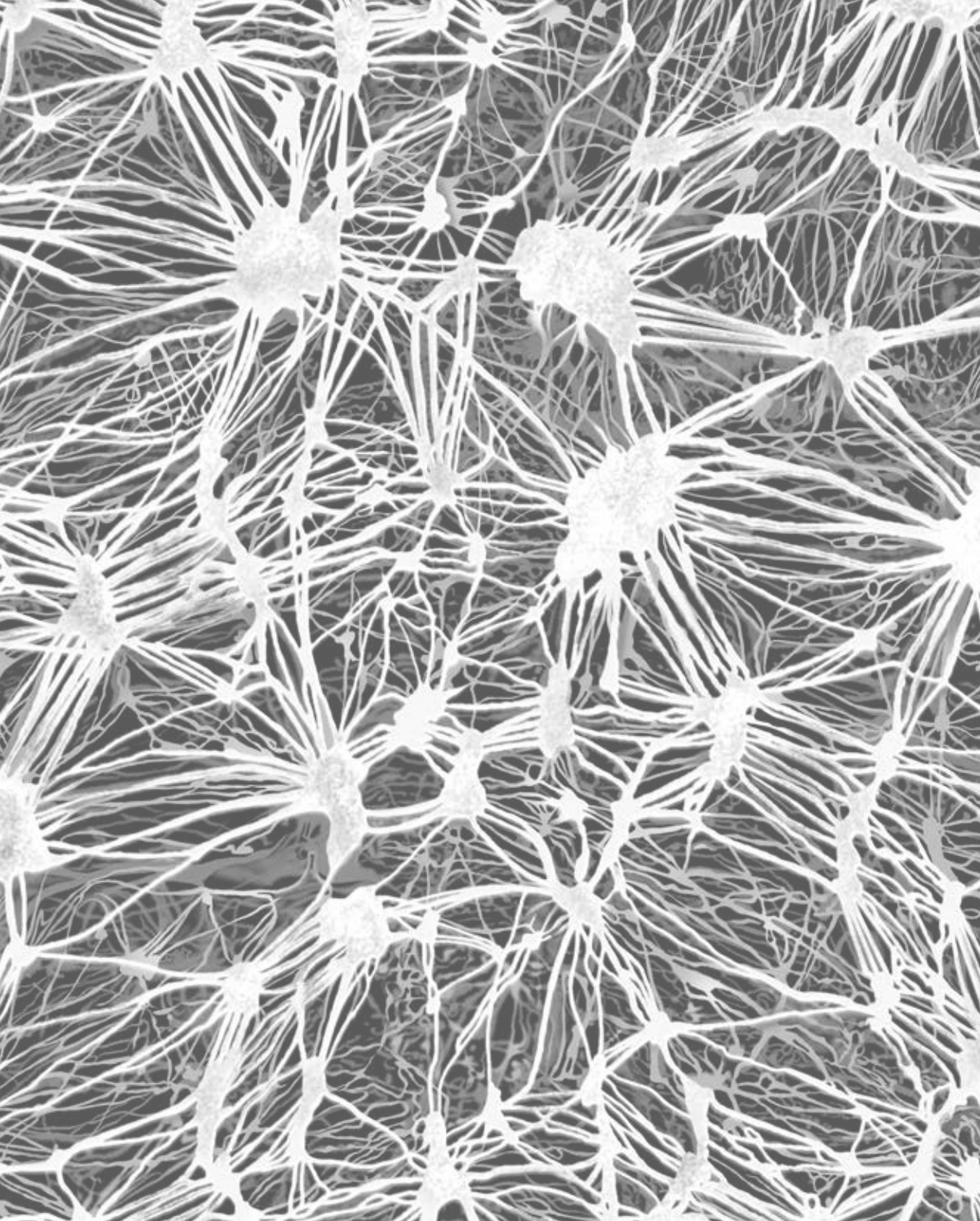
# ○ INNOVATIONS IN LIFE SCIENCES ○

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Gore first entered the Life Sciences industry in the mid-1970s with a life-saving blood vessel replacement engineered to work in harmony with the body's own tissues. The attributes and performance characteristics of polytetrafluoroethylene (PTFE), the fluoropolymer at the core of Gore's product portfolio, made an ideal material for replacing human blood vessels. Forty years later, with more than forty million devices implanted worldwide, we remain a world leader in PTFE membrane technology and biomaterials.

## **A Natural Evolution—Expanding on Our Experience**

Utilizing our expertise with fluoropolymers and knowledge designing healthcare solutions, Gore began to develop materials-based solutions for the pharmaceutical industry and OEM medical device manufacturers.



# PTFE: THE COMMON THREAD

**A CLOSER LOOK:**  
expanded PTFE under extreme magnification

Over time, we've added more solutions to our portfolio. As with all Gore products, our life sciences solutions perform as they are intended and provide high value over time.



**IMPROVE  
PROCESSING**



**MINIMIZE RISK**



**OPTIMIZE  
PERFORMANCE**



**PROTECT AND  
CONTAIN**

**We consistently deliver technology-driven products and process components to increase efficiency, while minimizing risk.**



# Advanced Materials for Advanced Performance

Expanded polytetrafluoroethylene is an incredibly adaptable material that is inherently bio- and chemically inert, with a low extractables profile. It is non-particulating, thermally stable and has a low coefficient of friction. The material's form, microstructure, strength and other properties can be engineered to provide peak functionality in applications throughout discovery, processing, and drug delivery.

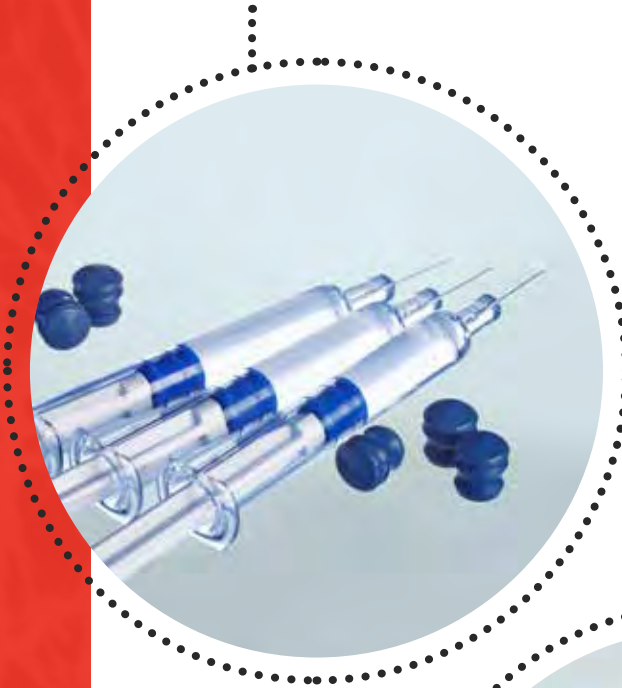
- Dense structures can be used to create highly durable barriers in drug containment and delivery device applications
- Composites can be paired with complementary materials to increase capacity and speed in applications such as chromatography, or to improve strength and durability
- Open structures can be designed to optimize airflow and retention for venting or filtration applications

Our passion for solving complex challenges and our ability to transform this versatile material into countless forms makes it possible to create solutions to meet the rigorous requirements of our customers.

Learn more about our  
product portfolio at  
[gore.com/lifesciences](https://gore.com/lifesciences)

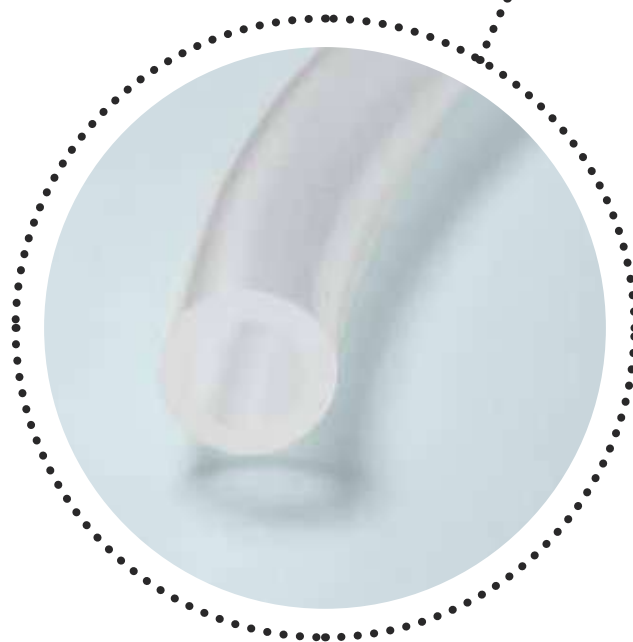
## DRUG DELIVERY

GORE™ Improjct™ Plungers





**FILTRATION AND VENTING**  
GORE® Microfiltration Media



**PERISTALTIC PUMP TUBING**  
GORE® STA-PURE® Pump Tubing



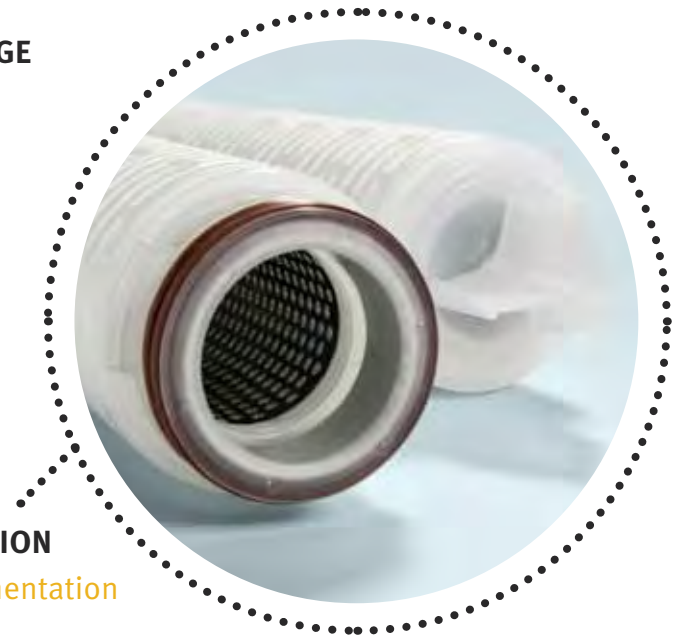
**LYOPHILIZATION**  
GORE® LYOGUARD®  
Freeze-Drying Trays



**CHROMATOGRAPHY**  
GORE™ Protein  
Capture Devices



**SINGLE-USE FROZEN STORAGE**  
GORE® STA-PURE™ Flexible  
Freeze Containers



**AIR FILTRATION**  
GORE® Fermentation  
Air Filters



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**PURITY  
AND  
SECURITY**

# Dedicated to Serving the Growing Life Sciences Market

Almost twenty years ago, Gore introduced what would be the first in the line of exciting innovations for pharmaceutical and biopharmaceutical customers—the GORE® LYOGUARD® Freeze-Drying Tray. This fully enclosed, single-use lyophilization container uses the breathability of ePTFE to enable the free exchange of moisture vapor. At the same time, the ePTFE barrier prevents cross-contamination and flyout. Since then, we've developed many single- and multi-use products and process components—all with the express focus on improving the customer experience.

**We collaborate with pharmaceutical companies to design materials-based solutions that fit their requirements for product purity, process effectiveness, optimal performance, and minimized risk.**

## Our Commitment to Customers

Based on clear understanding and definition of our customer's desired product performance, Gore designs, and then thoroughly tests and assesses product performance to ensure form, fit and function. This commitment to deliver products fit for the intended use is the sacred promise we make to our customers. We are passionate about product performance and ensuring that the product does what we say it will do.







# EXPANDING SOLUTIONS

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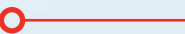
In addition to providing solutions for pharmaceutical and biopharmaceutical manufacturers, we bring our expertise in high-performance ePTFE membranes to solve the unique challenges faced by medical device innovators. For years, OEM medical device manufacturers have trusted Gore with solutions to their venting and filtration challenges to meet critical needs for deaeration, pressure equalization, barrier, and acoustic protection.

- **As the medical device industry looks for ways to protect critical components on equipment or to design smaller, more efficient devices, Gore's high-performance materials will be counted on for their quality and reliability every time.**

*“We believe the quality of our products must be the measure of their utility and value to our customers...*

*we assure ourselves that our products will fulfill the functions required of them with as near absolute reliability as is possible.”*

**BILL GORE, FOUNDER**





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**PLAN FOR  
QUALITY**

## Quality Manufacturing

Quality in manufacturing is more than just having dedicated, state-of-the-art facilities. It also means having excellent product and process understanding, detailed controls and committed associates. Gore takes great pride in our manufacturing practices, people and our purposeful approach to delivering quality products that perform exactly as they are intended.



## Quality System

We maintain adherence to our strict quality system to ensure we meet rigorous standards for life sciences products. Depending upon the requirements of our customers, you will find products manufactured under current Good Manufacturing Processes (cGMP), ISO 13485 and ISO 15378 certifications, and/or regulations for food contact.

*“Quality is an uncompromising requirement of value.*

*Our reputation has been made by our quality.”*

**BILL GORE, FOUNDER**



# SOUND SCIENCE

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Gore's ability to deliver reliable, high-performing products doesn't simply happen. It starts with a clear understanding of our customer's problems and application requirements; only then do we begin to look at materials-based solutions.

Our team of materials scientists, chemical engineers, mechanical engineers, analytical chemists, physicists and others, collaborate to develop engineered solutions. The results are high-value products thoroughly tested and evaluated to meet your standards.

**Question, research, test, analyze, review and evaluate**—these are key steps we take to minimize risk for our customers. Having confidence in your supplier is critical. Having a partner who understands risk and your need to minimize it is paramount.



QUESTION



RESEARCH



TEST



ANALYZE



REVIEW



EVALUATE



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**OUR EXPERIENCED  
INNOVATORS, ENGINEERS  
AND SOLUTION-BUILDERS**

We couple advanced materials capabilities with deep application knowledge to create reliable products with step-change performance.

**Our customers benefit from our unique culture that embraces innovation, encourages creativity and allows every associate to truly impact the success of the company.**





## Gore PharmBIO Products

Our technologies, capabilities and competencies in fluoropolymer science are focused on satisfying the evolving product, regulatory and quality needs of pharmaceutical and bioprocessing customers, and medical device manufacturers.

The products in the Gore PharmBIO Products' portfolio are tested and manufactured under our stringent quality system. These high-performance products provide creative solutions to our customers' design, manufacturing and performance-in-use needs.



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