



Bioprocessing

## Bioprocessing fluid management and Nalgene containment solutions

A comprehensive portfolio of proven, high-quality solutions

These products, designed for small to large production volumes, can competently fulfill your storage, transport, and sampling needs. With our proven track record of high-quality products as well as exceptional lead times and supply assurance, you can spend less time searching for a solution and more time creating one for the world.

Find it at [eu.fishersci.com](https://eu.fishersci.com)

## Nalgene bottles

Sampling, storing,  
transporting, and waste  
collection



Designed specifically for the storage and transport of active pharmaceutical ingredients and bulk intermediates, Thermo Scientific™ Nalgene™ production bottles and carboys offer leakproof\* storage for sensitive liquids, buffers, media, and more. They are available in PC, PETG, PP, LDPE, HDPE, FEP, and PFA, and in volumes ranging from 5 mL to 50 L. Extensive regulatory documentation helps ensure that the products meet your demanding biotechnology requirements and easily integrate into your processes.

### Key features

- Multiple tiers of clean
  - Thermo Scientific™ Nalgene™ Platinum Certified Clean containers are certified to contain less than 1/3 of the allowable particulate limits specified in USP <788> (available in PETG, PC, and HDPE)
  - Thermo Scientific™ Nalgene™ Certified Clean containers meet USP <788> low particulate requirements (available in PETG and PC)
  - Thermo Scientific™ Nalgene™ Standard Clean containers are manufactured from high-quality virgin resins (PETG and PC)
- Ready-to-use products with dual-sterile barriers
- Produced in a clean room (ISO class 7)

### Ordering information

Description	Cat. No.
<b>Products</b>	
Nalgene Square PETG Media Bottles with Closure, 250 mL	<a href="#">11341624</a>
Nalgene Polycarbonate Biotainer Bottles and Carboys, 20 L square	<a href="#">10770160</a>
<b>Accessories</b>	
Nalgene Polypropylene with Silicone Liner, Ported Biotainer Bottle, and Carboy Closure	<a href="#">11812720</a>
Nalgene Polypropylene with Silicone Liner, Ported Biotainer Bottle, and Carboy Closure, 2 ports	<a href="#">15503080</a>
Nalgene Sterile Polypropylene Biotainer Replacement Closures	<a href="#">11954952</a>
<b>Products</b>	
Nalgene Square PETG Media Bottles with Closure, 1 L	<a href="#">11744414</a>
Nalgene Square PETG Media Bottles with Closure, 2 L	<a href="#">13138643</a>
Nalgene Polycarbonate Biotainer Bottles and Carboys, 10 L square	<a href="#">11859570</a>
<b>Accessories</b>	
Nalgene Polypropylene with Silicone Liner, Ported Biotainer Bottle, and Carboy Closure	<a href="#">11812720</a>
Nalgene Polypropylene with Silicone Liner, Ported Biotainer Bottle, and Carboy Closure, 2 ports	<a href="#">15503080</a>
Nalgene Sterile Polypropylene Biotainer Replacement Closures	<a href="#">11954952</a>
Nalgene Magnetic PVDF Carboy Stirrer	<a href="#">10441103</a>

\* Our guarantee for a leakproof seal is subject to our standard product warranty, as set forth in the Thermo Fisher Scientific Terms and Conditions of Sale. Our products are leakproof at ambient temperature and pressure when used with their corresponding closures. However, to ensure safe usage, customers are advised to test our containers and closures under conditions of their planned applications. Please contact [technicalsupport@thermofisher.com](mailto:technicalsupport@thermofisher.com) if you need additional information about our products.

## 2D Labtainer Pro BPC systems

Sampling and storing



Thermo Scientific™ Labtainer™ Pro BioProcess Containers (BPCs) effectively address small-volume liquid handling needs. They range in size from 50 mL to 50 L with a variety of standard configurations to meet most application needs.

### Key features

- Superior seal with Thermo Scientific™ BioTitan™ Retention Device
- Proven, high-quality film
- 100% integrity testing,\* lot-based bacterial endotoxin testing (BET), and particulate analysis testing (PAT)
- Ease of use with enhanced ergonomics, improved drainage, and user-friendly packaging

### Ordering information

Description	Cat. No.
<b>Products</b>	
Labtainer BioProcess Container (BPC), 20 L with 3 Ports, MPC Insert, MPC Body, and Luer Lock, 2D BPC	<a href="#">15576849</a>
Labtainer BioProcess Container (BPC), 50 L with 3 Ports, MPC Insert, MPC Body, and Luer Lock, 2D BPC	<a href="#">17805716</a>
Labtainer BioProcess Container (BPC), 20 L with 3 Ports, MPC Insert, 2D BPC	<a href="#">17845706</a>
Labtainer BioProcess Container (BPC), 10 L with 3 Ports, MPC Insert, MPC Body, and Luer Lock, 2D BPC	<a href="#">17895736</a>
Labtainer BioProcess Container (BPC), 5 L with 3 Ports, MPC Insert, MPC Body, and Luer Lock, 2D BPC	<a href="#">17845736</a>
<b>Accessories</b>	
BioProcess Container Support Tote, small (50 mL–5 L)	<a href="#">17865887</a>
BioProcess Container Support Tote, large (10–20 L)	<a href="#">17855887</a>

\* Standard Labtainer Pro BPCs are inspected after manufacturing, prior to being packaged and shipped. In addition, a 100% helium integrity test is conducted, helping to ensure that our product has the highest standards of quality when it's delivered to the customer.



## 3D Productainer BPC systems

Sampling, storing, and transporting



Thermo Scientific™ 3D Productainer™ BioProcess Container (BPC) systems are used for harvesting, handling, and storing large volumes of sterile process liquids such as buffers, culture media, and bulk drug precursors and substances. Productainer BPC systems are available in a range of sizes and configurations, and can also be customised for optimal performance.

### Key features

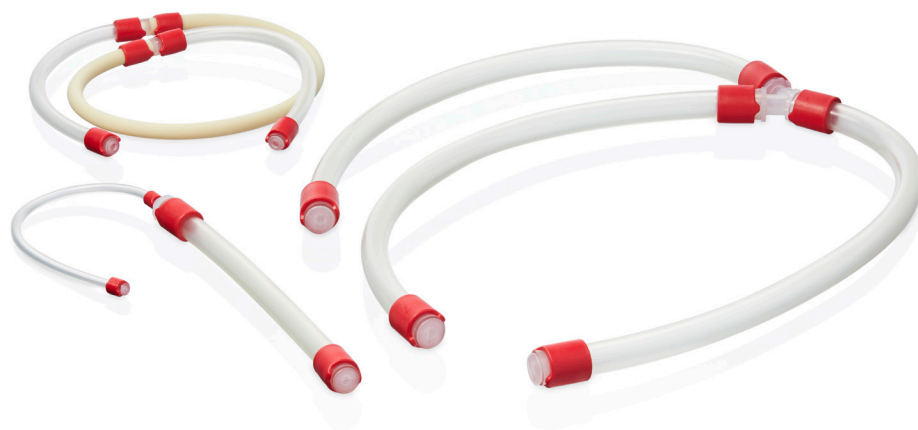
- Use these systems to eliminate post-use cleaning steps required with reusable containers, and to reduce cross-contamination risks
- All Productainer BPC systems are constructed in ISO 7–certified clean rooms under CGMP conditions
- Made with the BioTitan Retention Device to minimise risk of leaks and reduce packaging waste

### Ordering information

Description	Cat. No.
<b>Products</b>	
Productainer BioProcess Container (BPC), 200 L with 2 Top and 1 Bottom Ports, 3D Single-Use	<a href="#">15556829</a>
Productainer BioProcess Container (BPC), 100 L with 2 Top and 1 Bottom Ports, 3D Single-Use	<a href="#">17834225</a>
Productainer BioProcess Container (BPC), 200 L with 2 Top and 1 Bottom Ports, 3D Single-Use	<a href="#">15506849</a>
Productainer BioProcess Container (BPC), 200 L with 4 Top Ports and 1 Bottom Dispense, 3D Single-Use	<a href="#">15536839</a>
Productainer BioProcess Container (BPC), 200 L with 2 Top Ports, 3D Single-Use	<a href="#">15526829</a>

## Fluid transfer assemblies

### Sampling



Thermo Scientific™ fluid transfer tubing and assemblies with Thermo Scientific™ Nalgene™ accessories offer flexibility in their ease of use with a multitude of tubing sizes and types. Choose from an assortment of catalog tubing options in a wide variety of inside and outside diameters (ID and OD). Our transfer assemblies are manufactured in three efficient, CGMP-compliant manufacturing sites.

#### Key features

- Compatibility with any hardware system
- Design systems to integrate within your processes
- Ready to use, right out of the box
- No need for cleaning or gamma irradiation
- Helps reduce cross-contamination

#### Ordering information

Description	Cat. No.
<b>Products</b>	
Fluid Transfer Assembly Pump Set, 3/8" ID x 5/8" OD	<a href="#">17800687</a>
Fluid Transfer Assembly, Adaptor Set, 1/4" ID x 3/8" OD to 3/8" ID x 5/8" OD	<a href="#">17303920</a>
Fluid Transfer Assembly, Extension Set, 3/8" ID x 5/8" OD	<a href="#">17880687</a>
Fluid Transfer Assembly, "Y" Pump Segment, Non-Sterile, 3/16" x 3/8"	<a href="#">17879736</a>
Fluid Transfer Assembly, "Y" Pump Segment, Non-Sterile, 8 mm x 16 mm	<a href="#">17889736</a>
Fluid Transfer Assembly, "Y" Pump Segment, Non-Sterile, 1/8" x 5/16"	<a href="#">17859746</a>
<b>Accessories</b>	
Nalgene Valved Barbed Quick Disconnects	<a href="#">11764733</a>
Nalgene HDPE Quick Disconnects, for use with 1/4 to 5/16 in. ID	<a href="#">10345751</a>
Nalgene HDPE Quick Disconnects, for use with 3/8 to 7/16 in. ID	<a href="#">11374535</a>



## Bottle assemblies

Storage, transport, and sampling



Thermo Scientific™ standard single-use bottle assembly systems can relieve you of the burden of managing individual components and validating the systems in-house. Realise labour savings and mitigate risk by leaving the assembly and processing to us. These easy-to-order configured solutions include rigid support containers with preconfigured cap sets, and are delivered gamma-irradiated for use right out of the package.

### Key features

- Designed for a broad range of applications, including bioproduction, life science, and general lab use
- Helps eliminate setup and post-use cleaning steps
- Featuring Nalgene bottles, they provide a fit-for-purpose, sterile, and ready-to-use solution
- Allows process-specific flexibility with a wide range of bottle sizes

### Ordering information

Description	Cat. No.
<b>Products</b>	
Standard Single-Use Bottle Assembly System, PETG, 3-port cap set, 2 L	<a href="#">17867381</a>
Standard Single-Use Bottle Assembly System, polycarbonate, 3-port cap set, 2 L	<a href="#">17817381</a>
Standard Single-Use Bottle Assembly System, polycarbonate, 2-port cap set, 500 mL	<a href="#">17897371</a>
Standard Single-Use Bottle Assembly System, polycarbonate, 2-port cap set, 1 L	<a href="#">17354070</a>
Standard Single-Use Bottle Assembly System, PETG, 2-port cap set, 125 mL	<a href="#">17827381</a>

## Tanks and tank liners

### Storage and transporting



#### Nalgene tank liner key features

- Thermo Scientific™ Nalgene™ tank liners are designed specifically to fit Nalgene cylindrical tanks from 19 L to 757 L
- 343050 series film tank liners are supplied gamma-irradiated

#### Tanks

Our rigid support containers hold Thermo Scientific™ BioProcess Containers (BPCs) and tank liners for in-house harvest and storage, or for transportation needs. These reusable support containers accommodate a range of functions and chamber dimensions.

- **Plastic**—useful for in-house and transportation applications
- **Stainless steel**—Thermo Scientific™ HyPerforma™ Smartainer™ 3.0 systems are used for in-house, large-volume liquid handling operations, and range from 200–3,000 L

#### Tank liners

##### Open-top tank liner key features

- Thermo Scientific™ tank liners are designed for use with commercially available overhead mixers (not supplied)
- Chambers are constructed from a variety of Thermo Scientific™ films, manufactured using animal origin-free components, and optimised for Thermo Scientific™ drums and Thermo Scientific™ Nalgene™ cylindrical tanks
- Removes the need for tank cleaning and helps reduce cycle times
- Supplied gamma-irradiated to minimise bioburden

#### Ordering information

Description	Cat. No.
<b>Products</b>	
Nalgene Closed-Dome Polypropylene Tanks, 115 L	<a href="#">10338990</a>
Nalgene Closed-Dome Polypropylene Tanks, 75 L	<a href="#">10050461</a>
Nalgene Coex Polyethylene Film Tank Liners, 208 L	<a href="#">10767104</a>
Nalgene Coex Polyethylene Film Tank Liners, 155 L	<a href="#">10561695</a>
Nalgene Coex Polyethylene Film Tank Liners, 19 L	<a href="#">10511315</a>
HyPerforma Smartainer BPC, bottom drain, 100 L	<a href="#">10195943</a>
HyPerforma Smartainer BPC, bottom drain, 200 L	<a href="#">10512414</a>
HyPerforma Smartainer BPC, bottom drain, 500 L	<a href="#">10563374</a>

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