



Bioprocessing

Nalgene and Nunc solutions—quality, convenience, flexibility

Choose trusted single-use products for each step of your bioprocessing workflow

From early development to commercialization, you can rely on Thermo Scientific™ Nalgene™ and Nunc™ products and platforms when pursuing life-changing therapies. We offer a comprehensive product portfolio so you can choose the products that meet your specific needs and budget. You'll find reassurance in the features of our products and the peace of mind that comes from using a single supplier with a global supply chain.

Nalgene carboys, bottles, and vials

The Thermo Scientific™ Nalgene™ line of rigid containment products offers three tiers of clean, so you can choose from a range of high-quality, sterile storage and transport options to meet your process requirements.

- **Standard Clean:** Available in sterile and nonsterile options, offered in a wide range of resins, and features handles, volume graduations, and leakproof* closures
- **Certified Clean:** Compliant with USP <788>, produced in an ISO 7 clean room, and features triple-layer packaging (two heat seals and one carton liner—both qualified as sterile barriers)
- **Platinum Certified Clean:** Certified to one-third of the allowable USP <788> particulate limits, washed with WFI (water for injection), and inspected, assembled, and packaged in ISO 5 (Class 100) clean rooms with ISO 4 (Class 10) hoods and full gowning for operators**
- Customized container processing, sterilization, and packaging services are also available for critical environment needs



Nalgene bottles, carboys, and vials

* 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 application.

** Not all Platinum Certified Clean products require WFI wash to meet particulate claims.

Single-use bottle assembly systems

Thermo Scientific™ single-use bottle assembly systems relieve you of the burden of managing individual components and validating the systems in-house. Simplify your workflow by leaving the assembly and processing to us.

- Enjoy the convenience of fit-for-purpose, sterile, and ready-to-use bottle assembly systems that include Nalgene bottles
- Save time and labor by helping eliminate setup and post-use cleaning steps
- Streamline your workflow with a wide range of bottle sizes for process-specific flexibility



Bottle assemblies, featuring Nalgene bottles

Nunc cell culture products

Proven and flexible Thermo Scientific™ Nunc™ cell culture platforms support scale-up of adherent cell culture, including configured capabilities available for closed-system applications.

- Thermo Scientific™ roller bottles
 - Dependable roller bottles designed for high impact resistance with durable polyethylene terephthalate glycol (PETG) or polystyrene (PS)
- Thermo Scientific™ Nunc™ Cell Factory™ systems
 - Easy scale-up: available in 1-layer to 40-layer formats
 - Reduced extractable and leachable (E&L) risk: system components are sonic welded; systems do not contain adhesive (glue)
 - Adaptable to your specific process need through our configuration service
 - Robust supply chain: reduced risk of inventory issues
- Thermo Scientific™ Nunc™ Cell Factory™ equipment
 - Delivers a solution for quick and easy scale-up from existing Nunc Cell Factory systems
 - Automates the filling, emptying, harvesting, and trypsinization steps of adherent cell culture
 - Helps realize process consistency, optimization, and standardization



Nunc Cell Factory systems and roller bottles



Nunc Cell Factory equipment

Nalgene containers

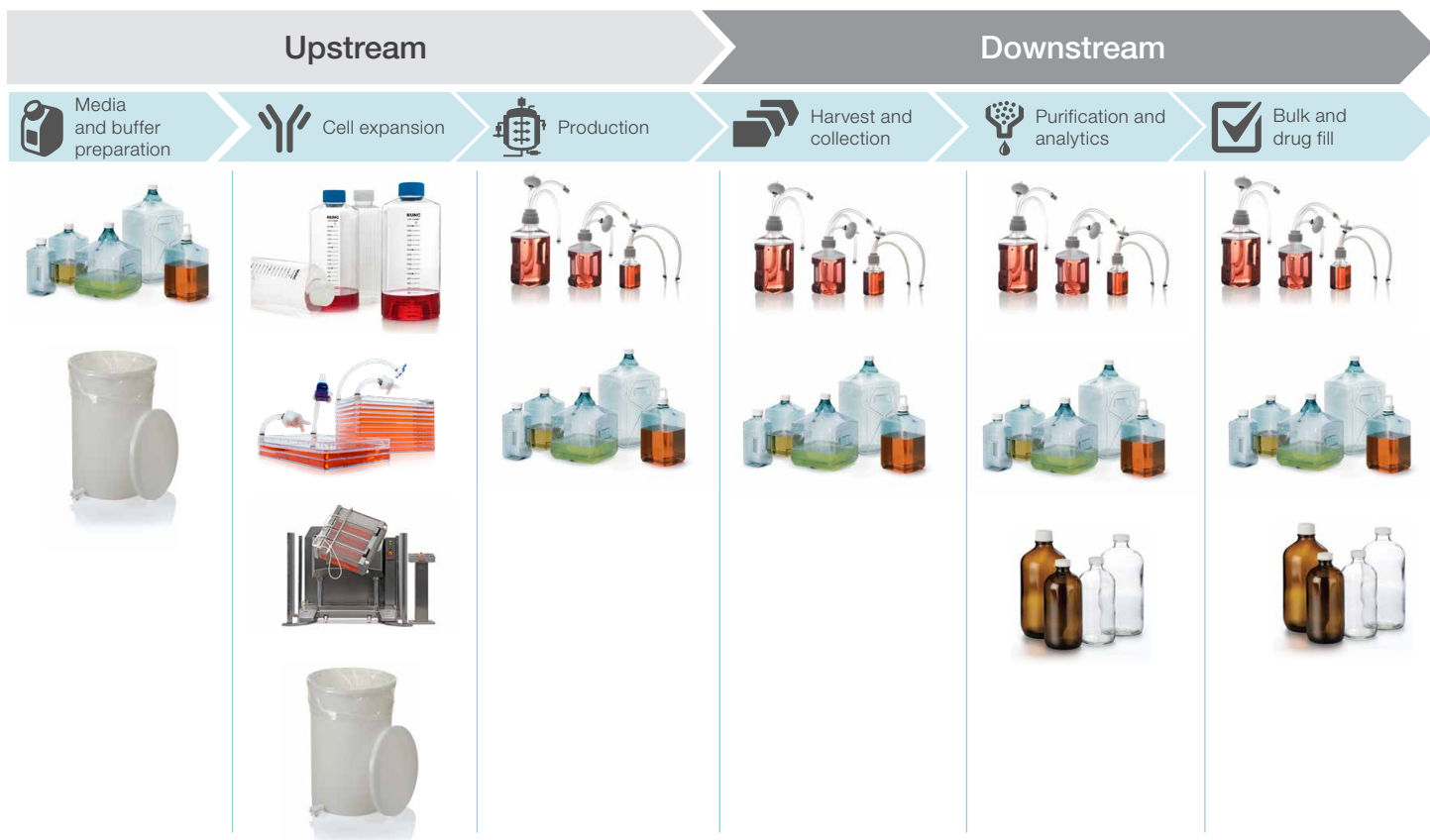
Thermo Scientific™ Nalgene™ outer support containers are designed to hold tank liners used for in-house critical or noncritical process steps. Our portfolio accommodates a range of functionalities and process liquid volumes.

- Scaling from small batches to large-scale production; tanks and tank liners from 19 L (5 gal) to 757 L (200 gal)
- Liners' flat-bottom design promotes efficient mixing to help ensure homogeneity



Nalgene tanks and tank liners

Choose our high-quality products for every step of the bioprocessing workflow.



Why choose Thermo Fisher Scientific?

- An expansive portfolio of bioproduction products designed for both small- and large-scale applications
- By leveraging decades of experience in designing products that address the challenges faced in bioprocessing workflows across the industry, we're confident we can meet your workflow needs
- Leading single-use manufacturing footprint for redundancy and supply assurance

Vaccines and monoclonal antibody (mAb) preparation

Media and buffer preparation	Cell line development and media optimization	Viral production	Harvest and collection	Purification
 Nalgene PETG Square Media Bottles	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Certified Clean Biotainer Bottles	 Nalgene PETG Certified Clean Biotainer Bottles	 Nalgene PETG Platinum Certified Clean Biotainer Bottles
 Nalgene PC Biotainer Bottles and Carboys	 Nalgene PC Biotainer Bottles and Carboys	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Platinum Certified Clean Bottles
 Nalgene PETG Biotainer Bottles	 Nalgene PETG Biotainer Bottles	 Nalgene PC Certified Clean Biotainer Carboys	 Nalgene PC Certified Clean Biotainer Carboys	 Nalgene PC Platinum Certified Clean Biotainer Bottles
 Nalgene Production Carboys	 Nalgene Production Carboys	 Nalgene HDPE Single-Use Sterile Carboys	 Nalgene PETG Platinum Certified Clean Bottles	 Nalgene HDPE Platinum Certified Clean Bottles and Carboys
 Nalgene PC Culture Vessel	 Nunc Standard Closed Cell Factory System	 Nunc Standard Closed Cell Factory System	 Nalgene HDPE Single-Use Sterile Carboys	
 Nalgene Production Tanks and Drums	 Nunc EasyFill Cell Factory System	 Nunc EasyFill Cell Factory System		
	 Nunc Standard Cell Factory System	 Nunc Standard Cell Factory System		
	 Nunc High Density Cell Factory System	 Nunc High Density Cell Factory System		
	 Nunc PS Roller Bottles	 Nunc PS Roller Bottles		
	 Nunc PETG Roller Bottles	 Nunc PETG Roller Bottles		
	 Nalgene PC Culture Vessel	 Nunc Automated Cell Factory Manipulator		
	 Nalgene PC Fernbach Culture Flask	 Nunc Cell Factory Incubator		
		 Nunc Cell Factory Shaker System		
		 Nunc Cell Factory racks and carts		
		 Nunc Cell Factory hand manipulator systems		

Products used across the workflow



[PETG Standard Single-Use Bottle Assembly Systems](#)















[PC Standard Single-Use Bottle Assembly Systems](#)

[Custom cleaning services](#)

Gene therapy

Media and buffer preparation for plasmid production	Cell expansion	Plasmid transfection	Viral vector production	Purification and testing
 Nalgene PETG Square Media Bottles	 Nalgene PETG Certified Clean Biotainer Bottles	 Nalgene PETG Certified Clean Biotainer Bottles	 Nalgene PETG Certified Clean Biotainer Bottles	 Nalgene PETG Platinum Certified Clean Biotainer Bottles
 Nalgene PC Biotainer Bottles	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Certified Clean Square Media Bottles	 Nalgene PETG Platinum Certified Clean Bottles
 Nalgene PETG Biotainer Bottles	 Nunc EasyFill Cell Factory System	 Nalgene PC Certified Clean Biotainer Carboys	 Nalgene PC Certified Clean Biotainer Carboys	 Nalgene PC Platinum Certified Clean Biotainer Bottles
 Nalgene PC Culture Vessel	 Nunc Standard Closed Cell Factory System	 Nunc Standard Closed Cell Factory System	 Nunc Standard Closed Cell Factory System	 Depyrogenated Sterile Empty Vials
		 Nunc Standard Cell Factory System	 Nunc Standard Cell Factory System	
		 Nunc Automated Cell Factory Manipulator	 Nalgene HDPE Single-Use Sterile Carboys	
		 Nunc Cell Factory Incubator		
		 Nunc Cell Factory Shaker System		
		 Nunc Cell Factory racks and carts		
		 Nunc Cell Factory hand manipulator systems		
		 Nalgene Magnetic PVDF Carboy Stirrer		
Products used across the workflow				
	PETG Standard Single-Use Bottle Assembly Systems	PC Standard Single-Use Bottle Assembly Systems	Custom cleaning services	

Cell therapy

Media and buffer preparation	Cell collection and engineering	Cell culture and expansion	Characterization, wash, and final fill and finish
 <p>Nalgene PETG Square Media Bottles</p>	 <p>Nalgene PETG Platinum Certified Clean Square Media Bottles</p>	 <p>Nalgene PETG Platinum Certified Clean Square Media Bottles</p>	 <p>Nalgene PETG Platinum Certified Clean Square Media Bottles</p>
		 <p>Nunc Standard Closed Cell Factory System</p>  <p>Nunc EasyFill Cell Factory System</p>  <p>Nunc Standard Cell Factory System</p>  <p>Nunc High Density Cell Factory System</p>  <p>Nunc Automated Cell Factory Manipulator</p>  <p>Nunc Cell Factory Incubator</p>  <p>Nunc Cell Factory Shaker System</p>  <p>Nunc Cell Factory racks and carts</p>  <p>Nunc Cell Factory hand manipulator systems</p>	
Products used across the workflow			
	<p>PETG Standard Single-Use Bottle Assembly Systems</p>	<p>PC Standard Single-Use Bottle Assembly Systems</p>	<p>Custom cleaning services</p>

Learn more at thermofisher.com/rigidcontainment and thermofisher.com/adherentcellculture

thermo scientific

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