

Nalgene containers developed specifically for the risk-averse

Clean containers that meet the demands of your workflow and the regulatory bodies that govern it

Making sure the equipment and materials used in critical environments meet the demanding standards of cleanliness can be a challenging process. Reduce the risk of failing to meet USP <788> requirements by using the cleanest validated containers on the market.

Packaging in the right configuration

The Thermo Scientific™ Nalgene™ multi-tiered portfolio provides bioproduction facilities with a variety of high-quality, sterile storage and transport solutions. This enables you to choose the appropriate product necessary to suit your application—through the step-down process and into your clean room.

| Tier | PETG | PC | HDPE |
|--------------------------|------|----|------|
| Standard clean | • | • | • |
| Certified clean | • | • | |
| Platinum certified clean | • | • | • |

Key features

- Multiple tiers
 - Platinum certified clean containers are certified to contain less than 1/3 of the allowable particulate limits specified in USP <788>
 - Certified clean containers meet USP <788> low particulate requirements
- Multiple resins available
 - Polycarbonate (PC)
 - Polyethylene terephthalate (PETG)
 - High-density polyethylene (HDPE)
- Sterile, ready-to-use products with robust triple-layer packaging for your step-down process
 - 2 heat-sealed bags create dual sterile barriers
 - 1 carton liner
 - Double-walled cartons
 - Improved labeling
- Produced in clean room (ISO class 7)
- Certified leakproof* to protect valuable contents

* 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 if you need additional information about our products.

| | Certified clean | Platinum certified clean |
|--|---|---|
| Packaging | | |
| Triple-layer outer packaging | Container(s) in a labeled heat-sealed bag and then packed in an additional heat-sealed bag. Multiple packs are gathered in a carton liner bag, placed in a carton, and closed with a cable tie. | |
| Labeling | Visible through each packaging layer | |
| Double-walled cartons | Yes | Yes |
| Shelf life | | |
| Expiration (years) | 5 | 5* |
| Certifications/compliance | | |
| Visual inspection | Yes | Yes |
| Particle specification | USP <788> | Below 1/3 of USP <788> limits |
| Endotoxin requirement (per USP <85>) | <0.5 EU/mL | <0.25 EU/mL |
| Certified sterile (SAL of 10 ⁻⁶)* | Yes | Yes |
| Nonpyrogenic | Yes | Yes |
| Compendial and extraction testing | | |
| Noncytotoxic | Yes | Yes |
| Nonhemolytic | ISO 10993-3 | ISO 10993-3 |
| USP Class VI compliant/certificate | Yes | Yes |
| USP <661> physicochemical tests—compliant | Yes, rev 37 physicochemical | Yes, rev 37 physicochemical |
| Animal components according to BSE/TSE** regulatory statements | Certain SKUs contain animal-derived components; uncolored closure | Certain SKUs contain animal-derived components; white closure |
| EMA 410/01—compliant | Yes | Yes |
| Melamine | No | No |
| Validation reports available | Yes | Yes |

* Certain products are currently 2 years and undergoing validation to extend shelf life.

** SAL: sterility assurance level; BSE/TSE: bovine spongiform encephalopathy/transmissible spongiform encephalopathies.

PETG

PETG containers have robust gas-barrier properties and offer low permeability to gases such as O₂ and H₂O₂.

- Suitable for storage in conditions from -70°C to 70°C
- White, low-density polyethylene (LDPE)-lined, radiation-stable polypropylene (PP) closure

Ordering information

| Thermo Scientific™ Nalgene™ PETG Certified Clean Biotainer™ Bottles | | | | | |
|---|--------------|---------------------|---------------------|------------------------|------------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 125 mL | 38 mm | 52 mm | 105 mm | 5/100 | 14-388-011 |
| 500 mL | 38 mm | 77 mm | 176 mm | 5/70 | 14-388-012 |
| 1,000 mL | 48 mm | 98 mm | 201 mm | 5/35 | 14-388-013 |
| 2,000 mL | 48 mm | 116 mm | 265 mm | 20/20 | 14-388-014 |
| 2,000 mL | 48 mm | 116 mm | 265 mm | 5/20 | 14-388-015 |
| 5,000 mL | 48 mm | 166 mm | 299 mm | 1/6 | 14-388-016 |
| 5,000 mL | 48 mm | 166 mm | 299 mm | 1/6 | 14-388-017 |

* With polyethylene handle.

| Thermo Scientific™ Nalgene™ Square PETG Platinum Certified Clean Biotainer Bottles | | | | | |
|--|--------------|---------------------|---------------------|------------------------|----------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 125 mL | 38 mm | 52 mm | 105 mm | 5/100 | 14388032 |
| 500 mL | 38 mm | 77 mm | 176 mm | 5/70 | 14388033 |
| 1,000 mL | 48 mm | 98 mm | 201 mm | 5/35 | 14388034 |
| 2,000 mL | 48 mm | 116 mm | 265 mm | 5/20 | 14388035 |

| Thermo Scientific™ Nalgene™ Square PETG Certified Clean Media Bottles | | | | | |
|---|--------------|---------------------|---------------------|------------------------|------------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 30 mL | 20 mm | 38 mm | 64 mm | 6/72 | 15-350-201 |
| 60 mL | 24 mm | 41 mm | 82 mm | 6/72 | 15-350-202 |
| 125 mL | 38-430 | 52 mm | 108 mm | 6/48 | 15-350-203 |
| 250 mL | 38-430 | 59 mm | 144 mm | 6/48 | 15-350-204 |
| 500 mL | 38-430 | 73 mm | 178 mm | 4/24 | 15-350-205 |
| 1,000 mL | 38-430 | 92 mm | 219 mm | 2/24 | 15-350-206 |
| 2,000 mL | 53B | 116 mm | 271 mm | 1/12 | 15-350-207 |

| Thermo Scientific™ Nalgene™ Square PETG Platinum Certified Clean Media Bottles | | | | | |
|--|--------------|---------------------|---------------------|------------------------|------------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 5 mL | 20 mm | 22 mm | 46 mm | 52/416 | 14-388-030 |
| 20 mL | 20 mm | 30 mm | 65 mm | 84/504 | 14-388-031 |
| 30 mL | 20 mm | 38 mm | 64 mm | 7/70 | 14388023 |
| 60 mL | 24 mm | 41 mm | 82 mm | 6/72 | 14388024 |
| 125 mL | 38-430 mm | 54 mm | 110 mm | 5/50 | 14388025 |
| 250 mL | 38-430 mm | 59 mm | 144 mm | 12/48 | 14388026 |
| 500 mL | 38-430 mm | 74 mm | 177 mm | 5/70 | 14388027 |
| 1,000 mL | 38-430 mm | 92 mm | 219 mm | 5/35 | 14388028 |
| 2,000 mL | 53B | 116 mm | 271 mm | 5/20 | 14388029 |

| Thermo Scientific™ Nalgene™ PETG Certified Clean Validation Bottle | | | | | |
|--|--------------|---------------------|---------------------|------------------------|----------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 5 mL | 20-415 mm | 22.25 mm | 45.9 mm | 52/416 | 14388010 |

PC

The robustness and impact resistance of PC at cold temperatures make PC bottles and carboys ideal for freezing all of your high-value products.

- White, silicone-lined, radiation-stable PP closure
- Recommended temperature range of –100°C to 100°C
- Validation vials available in 5 mL and 20 mL sizes

Ordering information

| Thermo Scientific™ Nalgene™ PC Certified Clean Biotainer™ Bottles and Carboys | | | | | |
|---|--------------|---------------------|---------------------|------------------------|------------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 125 mL | 38 mm | 52 mm | 105 mm | 5/50 | 14-388-018 |
| 1,000 mL | 48 mm | 98 mm | 201 mm | 5/35 | 14-388-019 |
| 2,000 mL | 38 mm | 116 mm | 265 mm | 5/20 | 14-388-020 |
| 5,000 mL | 38 mm | 166 mm | 299 mm | 1/6 | 03-313-112 |
| 5,000 mL | 48 mm | 166 mm | 299 mm | 1/2 | 03-313-113 |
| 10,000 mL | 48 mm | 255 mm | 337 mm | 1/2 | 03-313-114 |
| 10,000 mL | 48 mm | 255 mm | 337 mm | 1/2 | 03-313-115 |
| 20,000 mL | 48 mm | 255 mm | 495 mm | 1/3 | 03-313-116 |

* With attached handle.

| Thermo Scientific™ Nalgene™ PC Platinum Certified Clean Biotainer™ Bottles and Carboys | | | | | |
|--|--------------|---------------------|---------------------|------------------------|------------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 5 mL | 20 mm | 22 mm | 46 mm | 52/416 | 14-388-043 |
| 20 mL | 20 mm | 30 mm | 69 mm | 84/504 | 14-388-044 |
| 125 mL | 38 mm | 52 mm | 105 mm | 5/50 | 14-388-036 |
| 1,000 mL | 48 mm | 98 mm | 201 mm | 5/35 | 14-388-037 |
| 2,000 mL | 38 mm | 116 mm | 265 mm | 5/20 | 14-388-038 |
| 5,000 mL | 48 mm | 166 mm | 299 mm | 1/6 | 14388039 |
| 10,000 mL | 48 mm | 255 mm | 337 mm | 1/2 | 14388040 |

| Thermo Scientific™ Nalgene™ PC Certified Clean Validation Bottle | | | | | |
|--|--------------|---------------------|---------------------|------------------------|----------|
| Volume | Closure size | Outer diameter (OD) | Height with closure | Quantity per pack/case | Cat. No. |
| 5 mL | 20-400 mm | 22.4 mm | 46.7 mm | 52/416 | 14388021 |
| 20 mL | 20-400 mm | 29.7 mm | 65.3 mm | 84/504 | 14388022 |

HDPE

HDPE containers offer excellent chemical resistance, and the wide range of chemical compatibilities makes them a great option for storage of harsh materials.

- Support storage conditions of –100°C to 120°C
- LDPE-lined, radiation-stable PP closure (sizes 10 L and above with white PP closures)

Ordering information

| Thermo Scientific™ Nalgene™ Platinum Certified Clean HDPE Bottles and Carboys | | | | | | |
|---|--------|--------------|----------------------|---------------------|-------------------|------------|
| Description | Volume | Closure size | Optical density (OD) | Height with closure | No. per pack/case | Cat. No. |
| Narrow-mouth bottle | 30 mL | 20-415 | 34.3 mm | 61 mm | 12/72 | 14-388-009 |
| | 250 mL | 24-415 | 61 mm | 133 mm | 12/72 | 14-388-008 |
| | 500 mL | 28-415 | 72.6 mm | 170.4 mm | 12/48 | 14-388-006 |
| | 1 L | 38-430 | 91.4 mm | 215.9 mm | 6/24 | 14-388-004 |
| Wide-mouth bottle | 250 mL | 43-415 | 61 mm | 99.3 mm | 12/72 | 14-388-007 |
| | 500 mL | 53-415 | 72.6 mm | 168.2 mm | 12/48 | 14-388-005 |
| | 1 L | 63-415 | 91.44 mm | 199.2 mm | 6/24 | 14-388-003 |
| Carboy with integrated handles | 10 L | 83B | 250.2 mm | 389 mm | 1/6 | 14-388-002 |
| | 20 L | | 284.2 mm | 501.7 mm | 1/4 | 14-388-001 |
| | 33 L | | 381 mm | 546 mm | 1/1 | 14-388-000 |

Manufactured, tested, and supported for critical applications

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- Sign up for notifications: Receive electronic notification of changes to product form, fit, function, manufacturing location, and tooling as well as major process changes by registering in our customer change notification database. To register for change notifications for a specific list of Nalgene products, go to thermofisher.com/registercustomernotifications.

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