

thermoscientific



Nunc Roller Bottles

No matter the culture, we have a solution

ThermoFisher
SCIENTIFIC

Enhanced portfolio, unequaled choice

We offer an unmatched portfolio of roller bottles. The choice is yours with options available in both polystyrene (PS) and polyethylene terephthalate (PETG), smooth and expanded surface formats, enabling you to find the optimal substrate for your cells' culture.

Assured performance and compliance

- Noncytotoxic; USP <87> Biological Reactivity, *In Vitro*
- USP Class VI; USP <88> Biological Reactivity, *In Vivo*
- Every lot is tested to meet USP <85> Bacterial Endotoxin compliance
- Our roller bottles are cell culture-treated for consistent, reliable cell attachment
- Certified sterile by gamma irradiation per ANSI/AAMI/ISO 11137 guidelines

Superior manufacturing

All Thermo Scientific™ Nunc™ Roller Bottles are manufactured in ISO 13485-2010-registered facilities and ISO Class 7 clean rooms



Nunc PETG Roller Bottles

Increase cell growth and product yield without increasing labor

Thermo Scientific™ Nunc™ PETG Roller Bottles are molded in shatter-resistant PETG and are available in both smooth and pleated surfaces. Growth areas ranging from 1,050 cm² to 4,200 cm² help enable increased cell expansion and product yield without investing in additional equipment or increased labor. PETG can be frozen to -40°C for freeze-thaw release protocols. Lot numbers are located on every bottle for full traceability. Nunc PETG Roller Bottles are sterilized by gamma irradiation and meet sterility assurance level (SAL) 10⁻⁵.

Every lot is cell culture performance-tested and certified nonpyrogenic at a level of <0.5 EU/mL per USP <85>.



Nunc PETG Roller Bottle specifications

| Cat. No. | Surface type | Closure type | Surface area | Max. nominal volume | Dimensions (O.D. x H) | No. per pack/ No. per case |
|----------|--------------|--------------|-----------------------|---------------------|-----------------------|-------------------------------|
| 1060-05 | Smooth | Solid | 1,050 cm ² | 2,000 mL | 122 x 275 mm | 5/20 |
| 1060-20 | Smooth | Solid | 1,050 cm ² | 2,000 mL | 122 x 275 mm | 20/20 |
| 1060-85 | Smooth | Vented | 1,050 cm ² | 2,000 mL | 122 x 275 mm | 5/20 |
| 1860-22 | Smooth | Solid | 1,800 cm ² | 5,000 mL | 122 x 502 mm | 22/22 |
| 1760-20 | Pleated | Solid | 1,700 cm ² | 2,000 mL | 122 x 275 mm | 20/20 |
| 2160-05 | Pleated | Solid | 2,100 cm ² | 2,000 mL | 122 x 275 mm | 5/20 |
| 2160-20 | Pleated | Solid | 2,100 cm ² | 2,000 mL | 122 x 275 mm | 20/20 |
| 4260-22 | Pleated | Solid | 4,200 cm ² | 5,000 mL | 122 x 502 mm | 22/22 |

Nunc Polystyrene Roller Bottles

Minimize validation of cell culture scale-up processes from plates to flasks to roller bottles by choosing a family of products that utilize polystyrene materials

Thermo Scientific™ Nunc™ Polystyrene (PS) Roller Bottles are available with a smooth surface with an industry-standard growth area of 850 cm² or a pleated surface of 1,450 cm² that increases the growth area by over 40%. The unique vertical pleats make emptying easier and provide less product retention. Nunc PS Roller Bottles are sterilized by gamma irradiation and meet 10⁻⁴ SAL.



Every lot is cell culture performance–tested and certified nonpyrogenic at a level of <0.1 EU/mL per USP <85>. Nunc PS Roller Bottles have easy on/off closures that help prevent misthreading, while providing a secure seal.

Nunc PS Roller Bottle specifications

| Cat. No. | Surface type | Closure type | Surface area | Max. nominal volume | Dimensions (O.D. x H) | No. per pack/ No. per case |
|----------|--------------|--------------|-----------------------|---------------------|-----------------------|-------------------------------|
| 181702 | Smooth | Vented | 850 cm ² | 2,000 mL | 117 x 277 mm | 2/20 |
| 182702 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | 2/20 |
| 182720 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | 20/20 |
| 182744 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | 20/20* |
| 141744 | Pleated | Vented | 1,450 cm ² | 2,000 mL | 117 x 277 mm | 20/20* |
| 142720 | Pleated | Solid | 1,450 cm ² | 2,000 mL | 117 x 277 mm | 20/20 |
| 142744 | Pleated | Solid | 1,450 cm ² | 2,000 mL | 117 x 277 mm | 20/20* |

* Double bagged

Replacement of easy on/off closures

| Cat. No. | Closure type | Material | No. per pack/ No. per case |
|----------|---------------------|----------|-------------------------------|
| 111250 | Easy on/off, vented | HDPE | 250/250 |
| 112250 | Easy on/off | HDPE | 250/250 |

Increasing the growth area by over 40% without taking up additional space.



Nunc EZ PS Roller Bottles, ergonomic design specifications

| Cat. No. | Surface type | Closure type | Surface area | Max nominal volume | Dimensions (O.D. x H) | Base indent | No. per pack/ No. per case |
|----------|--------------|--------------|---------------------|--------------------|-----------------------|-------------|-------------------------------|
| 183302 | Smooth | Vented | 850 cm ² | 2,000 mL | 117 x 277 mm | Shallow | 2/20 |
| 184302 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | Shallow | 2/20 |
| 184344 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | Shallow | 20/20* |
| 183902 | Smooth | Vented | 850 cm ² | 2,000 mL | 117 x 277 mm | Deep | 2/20 |
| 184902 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | Deep | 2/20 |
| 184920 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | Deep | 20/20 |
| 184944 | Smooth | Solid | 850 cm ² | 2,000 mL | 117 x 277 mm | Deep | 20/20* |

* Count bagged. Note: The unique indentation in the bottom of Nunc EZ Roller Bottles facilitates both manual and automated handling.

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Let's move forward, together

We believe in the promise of biologics and your mission to bring them to market. As a pioneer in the industry, we've benefited from working hand-in-hand with customers, as we excel as both an innovative supplier and a custom manufacturer.

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Cell culture

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Built to be an extension of your supply chain



Purification

Solutions for even the most complex molecules



Measurement and control

Integrated intelligence and plug-and-play flexibility



Analytical and QC testing

Rapid molecular methods for pharmaceutical manufacturing



Find out more at thermofisher.com/rollerbottles

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