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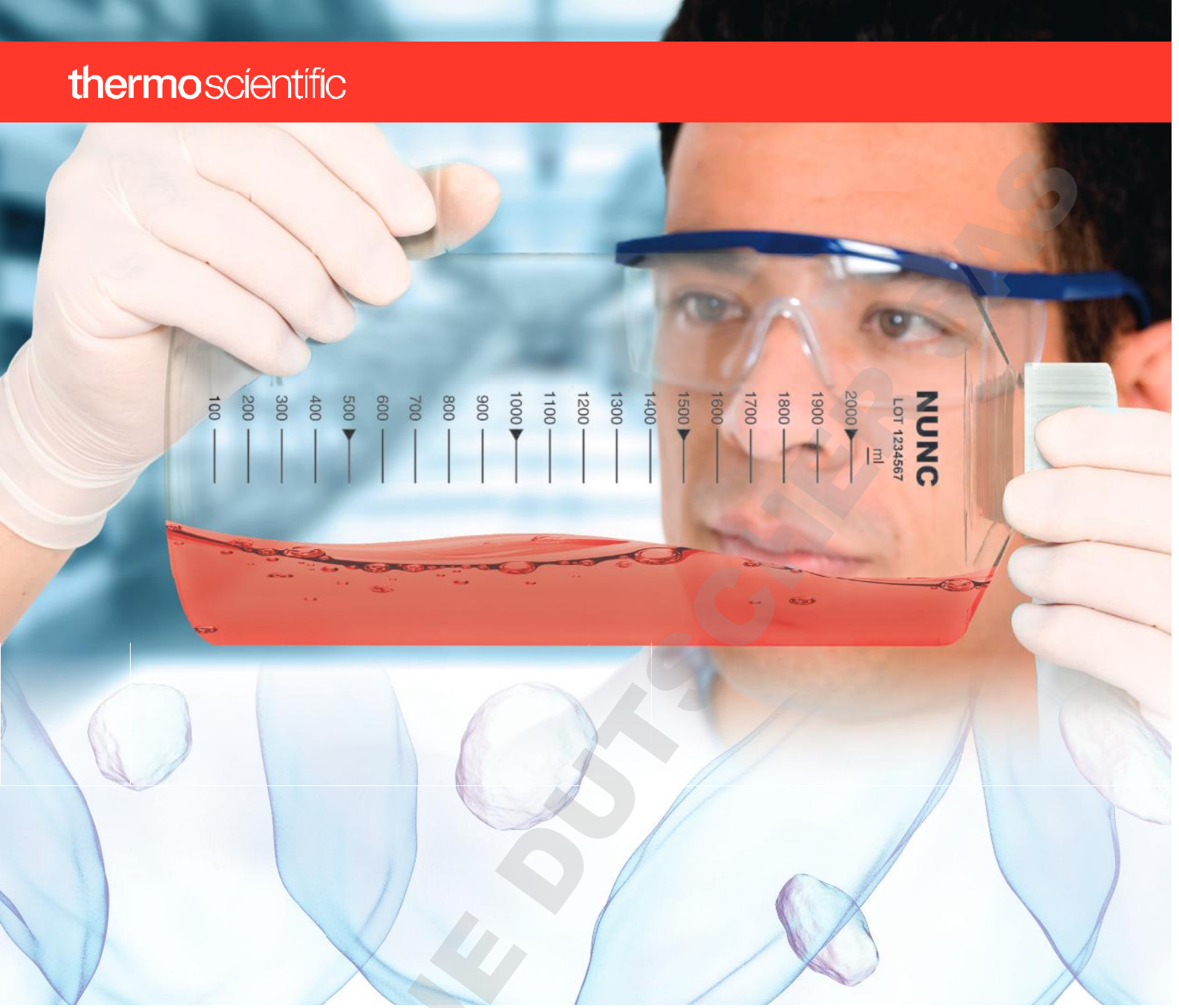

Nunc Roller Bottles

No matter the culture, we have a solution

ThermoFisher SCIENTIFIC

DOMINIQUE DUTSCHER

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

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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^{-6}.

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 cm²	2,000 mL	122 x 275 mm	5/20
1060-20	Smooth	Solid	1,050 cm²	2,000 mL	122 x 275 mm	20/20
1060-85	Smooth	Vented	1,050 cm²	2,000 mL	122 x 275 mm	5/20
1860-22	Smooth	Solid	1,800 cm²	5,000 mL	122 x 502 mm	22/22
1760-20	Pleated	Solid	1,700 cm²	2,000 mL	122 x 275 mm	20/20
2160-05	Pleated	Solid	2,100 cm²	2,000 mL	122 x 275 mm	5/20
2160-20	Pleated	Solid	2,100 cm²	2,000 mL	122 x 275 mm	20/20
4260-22	Pleated	Solid	4,200 cm²	5,000 mL	122 x 502 mm	22/22

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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 cm^2 or a pleated surface of 1,450 cm^2 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^{-6} 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

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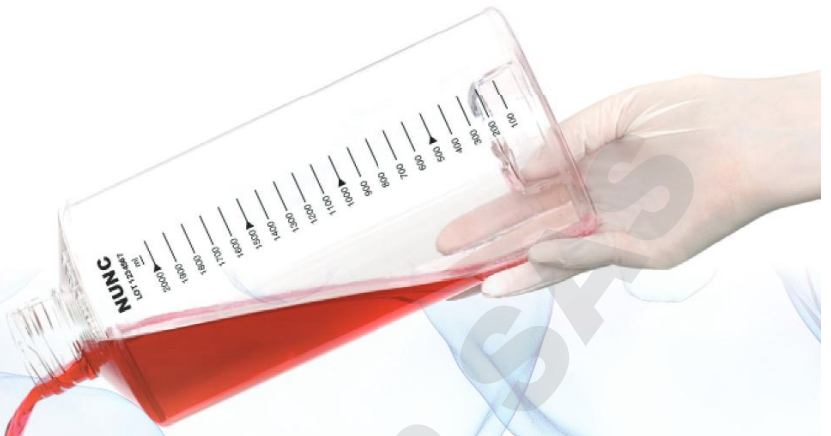
Increasing the growth area by over 40% without taking up additional space.



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 cm²	2,000 mL	117 x 277 mm	Shallow	2/20
184302	Smooth	Solid	850 cm²	2,000 mL	117 x 277 mm	Shallow	2/20
184344	Smooth	Solid	850 cm²	2,000 mL	117 x 277 mm	Shallow	20/20*
183902	Smooth	Vented	850 cm²	2,000 mL	117 x 277 mm	Deep	2/20
184902	Smooth	Solid	850 cm²	2,000 mL	117 x 277 mm	Deep	2/20
184920	Smooth	Solid	850 cm²	2,000 mL	117 x 277 mm	Deep	20/20
184944	Smooth	Solid	850 cm²	2,000 mL	117 x 277 mm	Deep	20/20*

* Double bagged. Note: The unique indentation in the bottom of these 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.

Our diverse roots bring together world-class solutions in an integrated, end-to-end bioprocessing workflow, while our global scale enables us to better serve our customers. Learn more at thermofisher.com/bioproduction

Single-use technologies
Flexible and rigid solutions with an open architecture approach

Cell culture
Worldwide recognition for superior quality and consistent results

Chemicals and supply chain logistics
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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