

Thermo Scientific Sorvall High Performance Centrifuge Bottle

1000 mL bottle with aluminum cap for superspeed and large capacity centrifuge performance



Performance

- One full liter (1000 mL) in each bottle at g-forces up to 20,584 x g
- When compared with Noryl™ plastic caps¹, the high-strength aluminum cap
 - > Enhances bottle support
 - > Improves chemical resistance to Phenol solutions

Versatility

- Polypropylene copolymer (PPCO) bottles designed for excellent chemical resistance and are autoclavable
- Polycarbonate (PC) bottles designed for excellent clarity and mechanical strength

Applications

- For use with Thermo Scientific™ Sorvall™ superspeed and large capacity centrifuges with Thermo Scientific™ Fiberlite™ 1-liter rotors
- Ideal for bacterial, yeast tissue isolations and viral harvesting
- Smooth inner bottle walls designed to reduce shearing in mammalian culture separations

¹ Based on internal testing data.

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Specifications	
Maximum Capacity	1000 mL
Maximum RCF	17,568 x g ▶ with Thermo Scientific Fiberlite F9-6x1000 LEX rotor in the Thermo Scientific Sorvall LYNX 6000 superspeed centrifuge 20,584 x g ▶ with Thermo Scientific Fiberlite F10-4x1000 LEX rotor in the Sorvall LYNX 6000 or 4000 superspeed centrifuge 9,333 x g ▶ with Thermo Scientific Fiberlite F5-10x1000 LEX rotor in the Thermo Scientific Sorvall RC BIOS 10 centrifuge 15,860 x g ▶ with Thermo Scientific Fiberlite F8-6x1000y rotor in the Thermo Scientific Sorvall RC BIOS 6 centrifuge
Maximum Sample Density	1.2 g/mL
Fill Volume Range	800-1000 mL
Cycle Life^{2,3}	Aluminum cap: Designed to last for up to 1000 cycles or 5 years (whichever comes first) PPCO and PC bottles ² : Replace bottles and plugs by 50 cycles; Replace o-rings more frequently if needed
Autoclaving	Aluminum cap: 121 °C for 20 minutes or 134 °C for 3 minutes PPCO/PC bottles: 121 °C for 15 minutes Note: Do not autoclave bottles with closures engaged to prevent collapse of bottles when cooling. Note: If autoclaved, PC bottles are weakened and their useful life is shortened.
Warranty³	1 year

Ordering Information	
Cat. No.	Description
75003511	High Performance Aluminum Cap for 1000 mL Bottle (set of 2)
010-1455	1000 mL Sorvall High Performance Bottle, PPCO, without Cap (set of 2)
010-1456	1000 mL Sorvall High Performance Bottle, PPCO, with Aluminum Cap (set of 2)
010-1458	1000 mL Sorvall High Performance Bottle, PC, without Cap (set of 2)
010-1459	1000 mL Sorvall High Performance Bottle, PC, with Aluminum Cap (set of 2)
75003020	Replacement O-Rings, Viton™ (set of 6)

² 1000 mL superspeed bottles are a wearable part with a finite performance life. Bottles used with compatible samples would be expected to show physical signs of wear with repeated use. Remove bottles from use which show signs of wear, cracks, crazing, discoloration, yellowing, deformation, surface scratches, abrasions or chemical attack.

³ Subject to Thermo Fisher Scientific's standard limited warranty. See thermoscientific.com or your sales representative for details.

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