



Centrifugation

High performance bottles designed to achieve maximum centrifuge speeds

Thermo Scientific™ Fiberlite™ and Thermo Scientific™ SteriBIOS™ bottle systems are designed to achieve maximum performance of Thermo Scientific™ centrifuges with the versatility of 1000 mL, 500 mL and 250 mL volumes in both polypropylene copolymer (PPCO) and polycarbonate (PC) options.

Applications

- Ideal for bacterial, yeast tissue isolations and
- Smooth inner bottle walls designed to reduce shearing in mammalian culture separations

Features

- High performance to match Thermo Scientific™ centrifuge specifications
 - 1000 mL bottles at max speeds of matching rotors for Thermo Scientific™ Sorvall™ LYNX™ Series superspeed and Thermo Scientific™ Sorvall™ BIOS A large capacity centrifuges (maximum RCF of 20,584 x g)
 - 500 mL bottles at max speeds of matching rotors for Thermo Scientific™ superspeed centrifuges (maximum RCF of 24,471 x g)
 - 250 mL bottles at max speeds of matching rotors for Thermo Scientific superspeed centrifuges (maximum RCF of 30,240 x g)

- Flexibility of material to match application requirements
 - Polypropylene copolymer (PPCO) bottles designed for excellent chemical resistance
 - Polycarbonate (PC) bottles designed for excellent clarity and mechanical strength
- Minimize cross contamination with SteriBIOS 1000 mL PPCO bottles used specifically for single-use applications

Certifications

- Non-cytotoxic per USP <87>
- USP Class VI per USP <88>
- BSE / TSE transmission safe
- Particle count test per USP <788> (SteriBIOS bottles only)
- Endotoxin per USP <85> (SteriBIOS bottles only)

Product specifications

	SteriBIOS/ Fiberlite 1000 mL Bottle	Fiberlite 500 mL Bottle	Fiberlite 250 mL Bottle
Maximum Capacity	1000 mL	400 mL	250mL
Maximum RCF	Used with Sorvall LYNX Series superspeed centrifuges	17,568 x g with the Thermo Scientific™ Fiberlite™ F9-6x1000 LEX rotor	24,471 x g with the Thermo Scientific™ Fiberlite™ F12-6x500 LEX rotor
		20,584 x g with the Thermo Scientific™ Fiberlite™ F10-4x1000 LEX rotor	40,178 x g with the Thermo Scientific™ Fiberlite™ F17-6x250 LEX rotor
	Used with Sorvall BIOS A large capacity centrifuge	12,000 x g with the Thermo Scientific™ Fiberlite™ F6-10x1000 LEX rotor	
Maximum sample density	1.2 g/mL	1.2 g/mL	1.2 g/mL
Fill volume	800-1000 mL	320-400 mL	200-250 mL
Cycle Life ¹	Fiberlite caps and plugs	Max. 100 cycles	Max. 100 cycles
	PPCO and PC bottles	Max. 100 cycles	Max. 100 cycles
	O-ring	Max. 50 cycles or more frequently if needed	Max. 50 cycles or more frequently if needed
Autoclaving ¹	Fiberlite caps	121°C for 15 minutes	121°C for 15 minutes
	Plug and O-ring	121°C for 15 minutes	121°C for 15 minutes
	PPCO and PC bottles	121°C for 15 minutes Note: If autoclaved, PC bottles are weakened and their useful life is shortened.	121°C for 15 minutes Note: If autoclaved, PC bottles are weakened and their useful life is shortened.
Warranty ²	1 year	1 year	1 year

¹ Fiberlite 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. **Not applicable for single use SteriBIOS 1000mL bottles.**

² Subject to Thermo Fisher Scientific's standard limited warranty. See thermofisher.com or your sales representative for details.

Ordering information

Description	Cat. No.
SteriBIOS single-use bottle system	
SteriBIOS 1000 mL Bottle System, PPCO (incl. 4 bottles, 4 caps, 4 plugs and 4 O-rings)	010-1661
Fiberlite bottle system	
Fiberlite 1000 mL Bottle System, PPCO (incl. 2 bottles, 2 caps, 2 plugs and 4 O-rings)	010-1491
Fiberlite 1000 mL Bottle System, PC (incl. 2 bottles, 2 caps, 2 plugs and 4 O-rings)	010-1492
Fiberlite 500 mL Bottle System, PPCO (incl. 6 bottles, 6 caps, 6 plugs and 12 O-rings)	010-1493
Fiberlite 500 mL Bottle System, PC (incl. 6 bottles, 6 caps, 6 plugs and 12 O-rings)	010-1494
Fiberlite 250 mL Bottle System, PPCO (incl. 6 bottles, 6 caps, 6 plugs and 12 O-rings)	010-1495
Fiberlite 250 mL Bottle System, PC (incl. 6 bottles, 6 caps, 6 plugs and 12 O-rings)	010-1496
Replacement O-rings and accessories	
Replacement O-ring for Fiberlite 1000 mL Bottle, PPCO or PC (set of 4)	001-0298
Replacement O-ring for Fiberlite 500 mL Bottle, PPCO or PC (set of 12)	001-0299
Replacement O-ring for Fiberlite 250 mL Bottle, PPCO or PC (set of 12)	001-0303
Pad for Fiberlite Bottles	097-1409
Tool for Fiberlite 1000 mL Bottle	097-1403



Learn more at thermofisher.com/fiberlitebottles

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