

Thermo Scientific MicroCL 17 and 21  
Microcentrifuge Series

Fits in.  
**Stands out.**

**Thermo**  
SCIENTIFIC



## Thermo Scientific MicroCL 17 and 21 Microcentrifuges



### Fits in.

- ▶ To your space, with compact footprints
- ▶ To your micro-volume protocols:
  - Choose from 7 optional rotors to find the ideal fit for your application
  - Two speed options, and both ventilated and refrigerated models available

### Stands out.

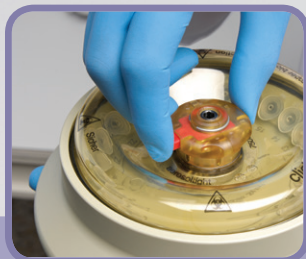
- ▶ Simplify operation with intuitive controls, easy-to-read displays and fast one-click centrifuge lid closure
- ▶ Fast acceleration and deceleration, and outstanding corrosion resistance with lightweight engineered polymer rotors
- ▶ Ergonomic one-click rotor opening and closing, as well as transparent design for added safety with certified<sup>1</sup> Thermo Scientific™ ClickSeal™ biocontainment lids
- ▶ Eliminate the need for adapters with unique dual row rotor

<sup>1</sup>Biocontainment certification by Public Health England, Porton Down, UK on all rotors with ClickSeal biocontainment lids, except for the 10 x 5 mL rotor.



Watch them in action at  
[www.thermoscientific.com/microcentrifuge](http://www.thermoscientific.com/microcentrifuge)

Large, bright and easy-to-read display ▶



Transparent ClickSeal biocontainment lids



Fast one-click centrifuge lid closure

## ▶ safe, powerful, versatile, easy-to-use

The **Thermo Scientific™ MicroCL 17 microcentrifuge** is excellent for routine laboratory work, while the **MicroCL 21 microcentrifuge** is ideal for high-end research applications, reducing spin times by up to 20%.<sup>2</sup>

### Perform both complex and simple protocols:

- ▶ The standard rotor runs 24 tubes in a single row with equalized g-forces for reproducibility, from 1.5 to 2.0 mL tubes to mini-preps and spin columns
- ▶ Eliminate the need for adapters with the unique dual row rotor, which holds 18 tubes of both 1.5/2.0 mL and 0.5 mL in the same run
- ▶ Maximize your micro-volume capacity with the new 10 x 5 mL rotor with ClickSeal biocontainment lid, separating samples at g-force up to 20,326 x g
- ▶ Wide variety of rotors support 0.5 mL microtubes, 0.2 mL PCR tubes and hematocrit capillary tubes

### Save time with fast sample processing:



- ▶ Lightweight rotors are designed to provide acceleration up to 21,100 xg in 12 seconds
- ▶ Refrigerated versions offer cooling from room temperature to set temperature in just 9 minutes
- ▶ Fast one-click centrifuge lid closure

### Ideal for everyday laboratory use:

- ▶ High performance engineered polymer rotors are designed for outstanding chemical resistance to minimize corrosion from aggressive reagents
- ▶ ClickSeal biocontainment lids shorten retrieval time with one-click opening, compared to screw-on lids
- ▶ Transparent PPSU rotor lids enable viewing for added safety and convenience
- ▶ Quiet performance (<56 dBA ventilated and <50 dBA refrigerated) promotes a safe and reduced stress environment
- ▶ Conforms to the latest clinical and safety standards, including 98/79/EC In Vitro Diagnostic Directive

<sup>2</sup>Compared to MicroCL 17 microcentrifuge.

# Thermo Scientific Microcentrifuge Rotors and Accessories

	Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (xg)	Cat. No.
	<b>24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid</b>  Standard rotor with exceptional versatility – 24 tubes per run from basic microtube processing to mini-preps and spin columns and additional flexibility with available adapters.	24 x 1.5/2.0	11 x 50	14,800	21,100	75003424
	0.5/0.6 mL microliter tube adapters, pack of 24	24 x 0.5/0.6	7 x 32	14,800	21,100	76003252
	0.25/0.4 mL microliter tube adapters, pack of 24	24 x 0.25/0.4	6 x 24	14,800	21,100	76003251
	0.2 mL PCR tube adapters, pack of 24	24 x 0.2	6 x 24	14,800	21,100	76003250
	<b>Dual Row 18 x 2.0/0.5mL rotor with screw-on lid</b> Accommodate two different size tubes in one rotor without using adapters.	18 x 2.0/ 18 x 0.5	11 x 50	14,800	20,800	75003418
	<b>36 x 0.5 mL rotor with screw-on lid</b> Increase throughput for smaller microtubes.	36 x 0.5	7 x 32	14,800	19,300	75003436
	<b>10 x 5 mL rotor with ClickSeal biocontainment lid<sup>3</sup></b> Increase your nucleic acid sample separation.	10 x 5	17 x 62	14,800	20,326	75003465
	<b>PCR 8 x 8 rotor with screw-on lid</b> Centrifuge up to 8 PCR strips at one time.	64 x 0.2	6 x 24	14,800	17,100	75003489
	<b>PCR 4 x 8 rotor with ClickSeal biocontainment lid</b>  Process up to 4 PCR strips with certified <sup>1</sup> sample protection.	32 x 0.2	6 x 24	14,800	16,200	75003440
	<b>Hematocrit rotor</b> Achieve fast capillary separations with included linear scale to read results.	24 Capillaries		14,800	16,800	75003473
	Capillaries, pack of 100 (included with hematocrit rotor #75003473)	24 Capillaries				76000923
	Linear scale reading graph (included with hematocrit rotor #75003473)					76000938

Replacement Lids	Cat. No.
ClickSeal biocontainment lid*	75003410
Replacement O-ring set for ClickSeal lid – 75003410	75003405
Screw-on lid	75003406

<sup>1</sup>Biocontainment certification by Public Health England, Porton Down, UK.  
<sup>3</sup>Tested for aerosol-tight seal.

\*Used with rotors 75003424, 75003440 and 75003465

## Thermo Scientific MicroCL 17 and 21 Microcentrifuges



Specifications	MicroCL 17/17R	MicroCL 21/21R
<b>Max RCF</b>	17,000 xg	21,100 xg
<b>Max Speed</b>	13,300 rpm	14,800 rpm
<b>Max Noise Level</b>	56 dBA (ventilated); 50 dBA (refrigerated)	
<b>Acceleration/Deceleration Rates</b>	11/12 seconds (ventilated); 10/12 seconds (refrigerated)	
<b>Time Set Range</b>	1 min - 99 min; 1 min increments + HOLD mode	
<b>Temperature Range<sup>4</sup></b>	Set from -9 °C to +40 °C per 1 °C increment	
<b>Certifications</b>	CSA certified, CE marked, IVD compliant, Certified biocontainment <sup>1</sup>	
<b>Technical Standards</b>	IEC 61010-1, IEC 61010-2, IEC 61010-020	
<b>Dimensions, H x W x D</b>		
<b>MicroCL 17/21</b>	225 x 243 x 352 mm (8.86 x 9.56 x 13.8 in)	
<b>MicroCL 17R/21R</b>	330 x 295 x 445 mm (12.9 x 11.6 x 17.5 in)	

<sup>1</sup>Biocontainment certification by Public Health England, Porton Down, UK.

<sup>4</sup>Refrigerated models only.

Ordering Information	230V 50/60 Hz	120V 60 Hz	230V 50/60 Hz	120V 60 Hz
	<b>MicroCL 17</b>		<b>MicroCL 17R</b>	
<b>Thermo Scientific MicroCL microcentrifuge,</b> includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002450	75002451	75002455	75002456
<b>Thermo Scientific MicroCL microcentrifuge,</b> includes hematocrit rotor	75002495	75002496	N/A	N/A
<b>Thermo Scientific MicroCL microcentrifuge,</b> includes dual row 18 x 2.0/0.5 mL rotor with screw-on lid	75002449	75002406	75002499	75002407
	<b>MicroCL 21</b>		<b>MicroCL 21R</b>	
<b>Thermo Scientific MicroCL microcentrifuge,</b> includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002465	75002466	75002470	75002471
<b>Thermo Scientific MicroCL microcentrifuge,</b> includes dual row 18 x 2.0/0.5 mL rotor with screw-on lid	75002549	75002560	75002552	75002561

## Support your micro-volume separation needs

with a complete family of Thermo Scientific microcentrifuges that fits in and stands out.



## Thermo Scientific™ Microcentrifuges

### mySPIN™ mini centrifuge series

- ▶ Enjoy convenience at your personal workstation with our most compact centrifuges
- ▶ Designed for quick and pulse spins
- ▶ Ideal for PCR, microfilter cell separation, and HPLC protocols
- ▶ Spin 6 x 2 mL at 2,000 x g or 12 x 2 mL at up to 9,800 x g

### MicroCL 17 and 21 microcentrifuge series

- ▶ Perform routine separations with our standard microcentrifuges
- ▶ Fast acceleration and deceleration, and outstanding corrosion resistance with lightweight engineered polymer rotors
- ▶ Maximize your micro-volume separation capabilities with the 10 x 5 mL rotor with ClickSeal biocontainment lid
- ▶ Spin 24 x 2 mL at up to 21,100 x g

### SL 8 small benchtop centrifuge series

- ▶ More than a microcentrifuge—benefit from increased flexibility in your multi-discipline lab
- ▶ Easily change rotors with innovative Thermo Scientific™ Auto-Lock™ rotor exchange
- ▶ Choose from 13 optional rotors, including 30 x 2 mL fixed angle rotor and 4 x 145 mL swinging bucket rotor
- ▶ Spin 24 x 2 mL at up to 30,279 x g

[www.thermoscientific.com/microcentrifuge](http://www.thermoscientific.com/microcentrifuge)

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