

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.

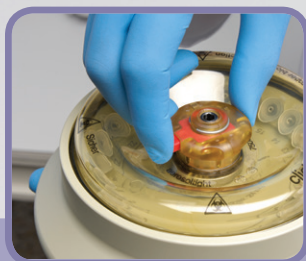
- ▶ Simplify operation with intuitive controls, easy-to-read displays and fast one-click centrifuge lid closure
- ▶ Fast acceleration and deceleration, and outstanding corrosion resistance with lightweight engineered polymer rotors
- ▶ Ergonomic one-click rotor opening and closing, as well as transparent design for added safety with certified¹ Thermo Scientific™ ClickSeal™ biocontainment lids
- ▶ Eliminate the need for adapters with unique dual row rotor

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





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%.²

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

²Compared to MicroCL 17 microcentrifuge.

Thermo Scientific Microcentrifuge Rotors and Accessories

	Description	Rotor Capacity	Max Tube Dimensions	Max Speed (rpm)	Max RCF (xg)	Cat. No.
	24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid 	24 x 1.5/2.0	11 x 50	14,800	21,100	75003424
	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.					
	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
	Dual Row 18 x 2.0/0.5mL rotor with screw-on lid	18 x 2.0/ 18 x 0.5	11 x 50	14,800	20,800	75003418
	Accommodate two different size tubes in one rotor without using adapters.					
	36 x 0.5 mL rotor with screw-on lid	36 x 0.5	7 x 32	14,800	19,300	75003436
	Increase throughput for smaller microtubes.					
	10 x 5 mL rotor with ClickSeal biocontainment lid³	10 x 5	17 x 62	14,800	20,326	75003465
	Increase your nucleic acid sample separation.					
	PCR 8 x 8 rotor with screw-on lid	64 x 0.2	6 x 24	14,800	17,100	75003489
	Centrifuge up to 8 PCR strips at one time.					
	PCR 4 x 8 rotor with ClickSeal biocontainment lid 	32 x 0.2	6 x 24	14,800	16,200	75003440
	Process up to 4 PCR strips with certified ¹ sample protection.					
	Hematocrit rotor	24 Capillaries		14,800	16,800	75003473
	Achieve fast capillary separations with included linear scale to read results.					
	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

¹Biocontainment certification by Public Health England, Porton Down, UK.

³Tested for aerosol-tight seal.

*Used with rotors 75003424, 75003440 and 75003465

Specifications and Ordering Information

Thermo Scientific MicroCL 17 and 21 Microcentrifuges



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

¹Biocontainment certification by Public Health England, Porton Down, UK.

⁴Refrigerated models only.

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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.