



Thermo Scientific MicroCL 17 and 21  
Microcentrifuge Series

**a new separation  
experience**

**Thermo**  
SCIENTIFIC

# Micro



## Thermo Scientific MicroCL 17 and 21 Microcentrifuges

Our **Thermo Scientific MicroCL 17 and 21** microcentrifuges combine power, versatility and convenience in a safe, compact, easy-to-use lab instrument. Available in both ventilated and refrigerated models, the MicroCL 17 and 21 microcentrifuges are designed to accelerate your routine sample preparation processes by providing high speed and generous capacity along with outstanding safety and convenience.

From the intuitive controls to the innovative Thermo Scientific ClickSeal biocontainment lid, the MicroCL 17 and 21 microcentrifuges deliver the perfect blend of capabilities to support your micro-volume protocols such as nucleic acid or protein lysate preparation and PCR reaction set-up — all in a remarkably small footprint.



See the new separation experience in action at  
[www.thermoscientific.com/centrifugevideos](http://www.thermoscientific.com/centrifugevideos)

Highly visible display can be read across the lab.



## powerful, versatile, easy-to-use

Available in two speed options, the **MicroCL 17 microcentrifuge** is perfect for routine laboratory work, while the **MicroCL 21 microcentrifuge** is ideal for high-end research applications, reducing spin times by up to 20%.

Coupled with our extensive rotor selection, **achieve the speed and versatility** you need to carry out complex as well as simple protocols:

- ▶ Our 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
- ▶ A unique dual row rotor holds 18 x 1.5/2.0 mL and 18x 0.5 mL tubes, eliminating the need for adapters
- ▶ Special high-capacity rotors support 0.5 mL microtubes, 0.2 mL PCR tubes and hematocrit capillary tubes

### Save time by processing samples faster

- ▶ Exceptional acceleration up to 21,100 xg in 12 seconds
- ▶ Refrigerated versions offer cooling in just nine minutes

Unique ClickSeal® biocontainment rotor lid “clicks” in place, providing **assurance that samples are securely contained**, and with one click opening, shortens retrieval time compared to screw-on lids

New PPSU lids have **improved strength and chemical resistance** compared with polycarbonate and metallic lids, and transparency enables viewing for added safety and convenience

**Quiet performance** (<56 dBA ventilated and <50 dBA refrigerated) provides a safe, stress-free environment

**Intuitive controls** and **easy-to-read display** simplifies operation

Highly resistant unit and rotor materials enables vigorous yet **easy cleaning**

Conforms to the latest clinical and safety standards, including **In Vitro Diagnostics (IVD) compliance**

# CL 17 and 21

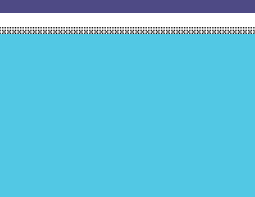


First in the industry, ClickSeal biocontainment lids provide certified, ergonomic, one click rotor opening and closing.

24 spin columns in standard rotor with ClickSeal biocontainment lid.



Unique dual row rotor eliminates adapters.



# 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	76003758
0.25/0.4 mL microliter tube adapters, pack of 24	24 x 0.25/0.4	6 x 24	14,800	21,100	76003759
0.2 mL PCR tube adapters, pack of 24	24 x 0.2	6 x 24	14,800	21,100	76003750
<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>Dual Row rotor 18 x 2.0 /0.5 mL with screw-on lid</b> Accommodate two different size tubes in one rotor.	18 x 2.0/ 18 x 0.5	11 x 50	14,800	20,800	75003418
<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 sample protection.	32 x 0.2	6 x 24	14,800	16,200	75003440
<b>Hematocrit rotor</b> Achieve capillary separations in less than 5 minutes with included linear scale to read results.	24 Capillaries		14,800	16,800	75003473
Capillaries, pack of 100	24 Capillaries				76000923
Linear scale reading graph					76000938

\*Used with rotor 75003424 and rotor 75003440

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

**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	8/9 seconds; 12/12 seconds <sup>1</sup>	
Time Set Range	1 min - 99 min; 1 min increments + HOLD mode	
Temperature Range <sup>2</sup>	Set from -9 °C to +40 °C per 1 °C increment	
Certifications	CSA certified, CE marked, IVD compliant, Certified Biosafety	
Technical Standards	IEC 61010-1, IEC 61010-2, IEC 61010-020	
<b>Dimensions, H x W x D</b>		
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)	

<sup>1</sup> In 120V models

<sup>2</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>		
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
<b>MicroCL 21</b>		<b>MicroCL 21R</b>		
Thermo Scientific MicroCL microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002465	75002466	75002470	75002471

Experience our complete line of Thermo Scientific micro-volume solutions and **achieve the speed, capacity and versatility your protocols require** – visit [www.thermoscientific.com/microcentrifuge](http://www.thermoscientific.com/microcentrifuge).



© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks used are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

**North America:** USA/Canada +1 866 984 3766 (866-9-THERMO)

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

**Europe:** Austria +43 1 801 40 0, Belgium +32 53 73 42 41, France +33 2 2803 2180, Germany national toll free 08001-536 376, Germany international +49 6184 90 6940, Italy +39 02 95059 448, Netherlands +31 76 579 55 55, Nordic/Baltic/CIS countries +358 9 329 10200, Russia +7 812 703 42 15, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

**Asia:** Australia +61 39757 4300, China +86 21 6865 4588 or +86 10 8419 3588, India toll free 1800 22 8374, India +91 22 6716 2200, Japan +81 45 453 9220, New Zealand +64 9 980 6700, Other Asian countries +852 2885 4613 **Countries not listed:** +49 6184 90 6940

**Thermo**  
SCIENTIFIC

Part of Thermo Fisher Scientific