

Thermo Scientific IEC MicroCL 17 & 21



Microcentrifuge Series

Powerful, Versatile and Easy to Use

- Choice of 17,000 or 21,000 x g on both the ventilated and refrigerated models
- Generous capacity holds 36 x 0.5 mL microtubes, 24 x 2 mL tubes and 8 x 8 PCR strips
- Exclusive ClickSeal™ bio-containment rotor lid provides superior safety and convenience
- Quiet performance (<56 dBA) provides a safe, stress-free environment.
- Unique dual-row rotor holds 18 1.5/2.0 mL tubes and 18 0.5 mL tubes
- Fast acceleration and deceleration speeds up your protocols
- Broad rotor selection accommodates PCR strips and 36 x 0.5 mL microtubes
- Intuitive controls and easy-to-read display make operation easy
- Highly resistant materials allow vigorous cleaning and autoclaving

Small instrument, big impact

The Thermo Scientific IEC MicroCL 17 & 21 Microcentrifuge Series combines power, versatility and convenience in a safe, compact, easy-to-use lab instrument. Available in both ventilated and refrigerated models, the IEC MicroCL 17 & 21 Microcentrifuge Series is 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 simple 'ClickSeal' bio-containment lid, the IEC MicroCL 17 & 21 Microcentrifuge Series delivers the perfect blend of capabilities to support your micro-volume protocols such as nucleic acid preparation and protein isolation and reaction set-up.

Thermo Scientific IEC MicroCL 17 & 21 Microcentrifuge Series

High Productivity

Our IEC MicroCL 17 & 21 Microcentrifuge Series provides fast, efficient processing of your micro-volume samples.

- The extensive rotor selection and 17,000 and 21,000 x g speed options give you the speed and versatility you need to carry out complex as well as simple protocols.
- Fast acceleration and deceleration time (12 seconds) means you can process more samples in less time.

Exceptional Versatility

The IEC MicroCL 17 & 21 Series boasts the widest selection of high-capacity rotors available to cover all types of micro-volume tubes.

- The 24-place rotor can be used for all 1.5 to 2.0 mL tubes, including mini-preps and spin columns.
- A unique dual-row rotor holds 18 1.5/2.0 mL tubes and 18 0.5 mL tubes at the same time, eliminating the need for adapters.
- Special high-capacity rotors support 0.5 mL microtubes, 0.2 mL PCR tubes and hematocrit capillary tubes.

Outstanding Safety and Convenience

The IEC MicroCL 17 & 21 Microcentrifuge Series is designed to ensure safe, easy operation for everyone in the lab.

- Unique ClickSeal bio-containment rotor lid "clicks" when a proper seal has been made, providing assurance that your samples are securely contained.
- Intuitive controls and bright, easy-to-read displays make set-up and operation easy.
- Quiet performance (<56 dBA) provides a safe, stress-free environment.
- Highly resistant rotor materials allow vigorous cleaning and autoclaving for years of safe, reliable operation.
- Sleek, lightweight design maximizes benchspace and is easy to clean and maintain.

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From the intuitive controls and broad rotor selection to the simple ClickSeal bio-containment rotor lid, the IEC MicroCL 17 & 21 Microcentrifuges Series delivers the perfect blend of capabilities to support your micro-volume protocols.

Technical Specifications

	IEC MicroCL 17 & 17R	IEC MicroCL 21 & 21R
Max g-force:	17,000	21,100
Max RPM:	13,300	14,800
Noise level:	<55dBA (ventilated) <50dBA (refrigerated)	<56dBA (ventilated) <50dBA (refrigerated)
Time set range:	1 min - 99 min; 1 min increments + HOLD mode	1 min - 99 min; 1 min increments + HOLD mode
Temp set range:*	Set from -9 °C to +40 °C per 1 °C increment	Set from -9 °C to +40 °C per 1 °C increment
Dimensions, H x W x D, mm (in):		
IEC MicroCL 17	225 x 243 x 352 (8.86 x 9.56 x 13.8)	
IEC MicroCL 21	225 x 243 x 352 (8.86 x 9.56 x 13.8)	
IEC MicroCL 17R	330 x 295 x 445 (12.9 x 11.6 x 17.5)	
IEC MicroCL 21R	330 x 295 x 445 (12.9 x 11.6 x 17.5)	

*IEC MicroCL 17R/21R only

Ordering Information

	Cat. No.	Cat. No.
IEC MicroCL 17/17R	230V 50/60 Hz	120V 60 Hz
IEC MicroCL 17, includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002450	75002451
IEC MicroCL 17R, includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002455	75002456
IEC MicroCL 17, includes hematocrit rotor	75002495	75002496
IEC MicroCL 21/21R Packages		
IEC MicroCL 21, incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002465	75002466
IEC MicroCL 21R, incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002470	75002471

Rotors

24 x 1.5/2.0 mL, rotor with ClickSeal bio-containment lid	75003424	75003424
36 x 0.5 mL rotor with screw-on lid	75003436	75003436
PCR 8 x 8 rotor with screw-on lid	75003489	75003489
PCR 4 x 8 rotor with ClickSeal bio-containment lid	75003440	75003440
Dual 18 x 1.5/2.0 mL and 18 x 0.5 mL	75003418	75003418
Hematocrit rotor	75003473	75003473

Replacement Lids

ClickSeal bio-containment lid ¹	75003410	75003410
Screw on lid ²	75003406	75003406

Adapters

0.5/0.6 mL microliter tubes, pack of 24	76003758	76003758
0.25/0.4 mL microliter tubes, pack of 24	76003759	76003759
0.2 mL PCR tubes, pack of 18	76003750	76003750

¹ Used with rotor 75003424 and rotor 75003440

² Used with rotors 75003436, 75003489 or 75003418