



**Heraeus[®]
Pico™ &
Fresco™**

**Microcentrifuge
Series**



Powerful, Versatile and Easy to Use

- Choice of 17,000 or 21,000 x g on both the ventilated Heraeus Pico and the refrigerated Heraeus Fresco expands your options
- Generous capacity holds 24 x 2 mL tubes and 8 x 8 PCR strips so you can process more samples per run
- Unique ClickSeal™ bio-containment rotor lid provides superior safety and convenience
- Unique 18-place dual-row rotor spins both 2.0 mL and 0.5 mL tubes
- Fast acceleration and deceleration reduces run times
- Broad range of rotors, including rotors for PCR strips and 36 x 0.5 mL microtubes, supports virtually any application
- Intuitive controls with easy to read display make set-up and operation easy
- Highly resistant materials allow vigorous cleaning and autoclaving for years of safe, reliable operation

Small instrument, big impact

The Heraeus Pico & Fresco microcentrifuges from Thermo combine power, versatility and convenience in a safe, compact, easy to use lab instrument. Both the ventilated Heraeus Pico and the refrigerated Heraeus Fresco 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 simple 'ClickSeal' bio-containment lid, the Heraeus Pico & Fresco microcentrifuges deliver the perfect blend of capabilities to support micro-volume protocols such as nucleic acid preparation, protein isolation and reaction set-up.

Analyze • Detect • Measure • Control™

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Heraeus Pico & Fresco Microcentrifuge Series

High Productivity

The Heraeus Pico & Fresco microcentrifuges from Thermo provide fast, efficient processing of your micro-volume samples.

- The extensive rotor selection and 17,000 and 21,000 x g speed options give the Heraeus Pico & Fresco series the speed and versatility 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 Heraeus Pico & Fresco models boast 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.
- A new 18-place dual-row rotor accepts 2.0 mL and 0.5 mL tubes, eliminating the need for inserting and removing adapters.

- Special high-capacity rotors support 0.5 mL microtubes, 0.2 mL PCR tubes and hematocrit capillary tubes.

Outstanding Safety and Convenience

The Heraeus Pico & Fresco microcentrifuges are designed to ensure safe, easy operation for everyone in the lab.

- Unique ClickSeal bio-containment rotor lid ensures you that a proper seal has been made, taking the guesswork out of your safety precautions.
- Intuitive controls and bright, easy-to-read displays make set-up and operation easy
- Highly resistant rotor materials allow vigorous cleaning and autoclaving for years of contaminant-free 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 Heraeus Pico & Fresco microcentrifuges deliver the perfect blend of capabilities to support your micro-volume protocols.**

Ordering Information	Cat. No.	Cat. No.
Heraeus Pico & Fresco 17 Packages	230V 50/60 Hz	120V 60 Hz
Heraeus Pico 17 , includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002410	75002411
Heraeus Fresco 17 , includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002420	75002421
Heraeus Pico 17 , incl. hematocrit rotor	75002491	75002492
Rotors for Heraeus Pico & Fresco 17		
24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75003424	
Hematocrit rotor	75003473	
Heraeus Pico & Fresco 21 Packages		
Heraeus Pico 21 , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002415	75002416
Heraeus Fresco 21 , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002425	75002426
Heraeus Pico 21 , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid and dual 18 x 0.5 and 18 x 2.0 mL rotor with screw-on lid	75002475	75002477
Heraeus Fresco 21 , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid and dual 18 x 0.5 and 18 x 2.0 mL rotor with screw-on lid	75002476	75002478
Rotors for Heraeus Pico & Fresco 21		
24 x 1.5/2.0 mL, rotor with ClickSeal bio-containment lid	75003424	
36 x 0.5 mL rotor with screw-on lid	75003436	
PCR 8 x 8 rotor with screw-on lid	75003489	
PCR 4 x 8 rotor with ClickSeal bio-containment lid	75003440	
Dual 18 x 2.0 mL/0.5 mL	75003418	
Replacement Lids for Pico & Fresco 17/21		
ClickSeal bio-containment lid ¹	75003410	
Screw on lid ²	75003406	
Adapters for Heraeus Pico & Fresco 17/21		
0.5/0.6 mL microliter tubes, pack of 24	76003758	
0.25/0.4 mL microliter tubes, pack of 24	76003759	
0.2 mL PCR tubes, pack of 18	76003750	
¹ Used with rotor 75003424 and rotor 75003440		
² Used with rotors 75003436, 75003489 or 75003418 (21/21R only)		

Technical Specifications		
	Pico & Fresco 17	Pico & Fresco 21
Max g-force:	17,000 x g	21,100 x g
Max RPM:	13,300 rpm	14,800 rpm
Noise level:	<55 dBA	<56 dBA
Time set range:	1 min - 99 min; 1 min increments	1 min - 99 min; 1 min increments
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 (mm/in), H x W x D:		
Pico 17	225 x 243 x 352 (8.86 x 9.56 x 13.8)	
Pico 21	225 x 243 x 352 (8.86 x 9.56 x 13.8)	
Fresco 17	330 x 295 x 445 (12.9 x 11.6 x 17.5)	
Fresco 21	330 x 295 x 445 (12.9 x 11.6 x 17.5)	

*Heraeus Fresco only

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