



**Thermo  
Scientific  
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
- 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 tube
- Fast acceleration and deceleration speeds up your protocols
- Intuitive controls and easy-to-read display makes operation easy
- Highly resistant materials allow vigorous cleaning and autoclaving

### **Small instrument, big impact**

Our Thermo Scientific Heraeus Pico & Fresco microcentrifuges 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 your micro-volume protocols such as nucleic acid preparation and protein isolation and reaction set-up.

# Thermo Scientific Heraeus Pico & Fresco Microcentrifuge Series

## High Productivity

The Heraeus Pico & Fresco microcentrifuges provide 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 ( $\approx 12$  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 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 Heraeus Pico & Fresco microcentrifuges are 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 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.
<b>Heraeus Pico &amp; Fresco 17 Packages</b>		
<b>Heraeus Pico 17</b> , includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	230V 50/60 Hz 75002410	120V 60 Hz 75002411
<b>Heraeus Fresco 17</b> , includes 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002420	75002421
<b>Heraeus Pico 17</b> , incl. hematocrit rotor	75002491	75002492
<b>Heraeus Pico &amp; Fresco 21 Packages</b>		
<b>Heraeus Pico 21</b> , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002415	75002416
<b>Heraeus Fresco 21</b> , incl. 24 x 1.5/2.0 mL rotor with ClickSeal bio-containment lid	75002425	75002426
<b>Heraeus Pico 21</b> , 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
<b>Heraeus Fresco 21</b> , 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
<b>Rotors for Heraeus Pico &amp; Fresco 17/21</b>		
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	
Hematocrit rotor	75003473	
<b>Replacement Lids for Pico &amp; Fresco 17/21</b>		
ClickSeal bio-containment lid <sup>1</sup>	75003410	
Screw on lid <sup>2</sup>	75003406	
<b>Adapters for Heraeus Pico &amp; Fresco 17/21</b>		
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	

<sup>1</sup> Used with rotor 75003424 and rotor 75003440

## Technical Specifications

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

\*Heraeus Fresco only

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