



**Thermo Scientific Heraeus Pico  
and Fresco Microcentrifuge Series**



**a new separation  
experience**

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## Thermo Scientific Heraeus Pico and Fresco

Our **Thermo Scientific Heraeus Pico** and **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® 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 Heraeus Pico and Fresco 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.



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Highly visible  
display can be read  
across the lab.



## powerful, versatile, easy to use

Available in two speed options, the **Heraeus Pico and Fresco 17 microcentrifuges** are perfect for routine laboratory work, while the **Heraeus Pico and Fresco 21 microcentrifuges** are 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

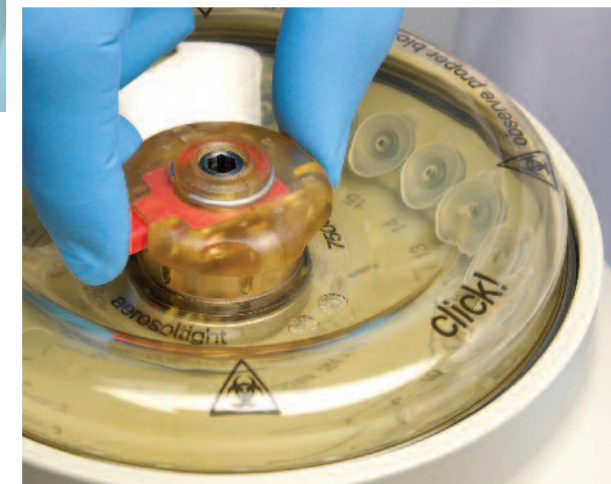
**Quiet performance** (<56 dBA ventilated and <50 dBA refrigerated) provides a safe, stress-free environment

**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**

# Pico and Fresco



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	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
<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 – 7500 3#10	75003405
Screw-on lid	75003406

## Thermo Scientific Heraeus Pico and Fresco Microcentrifuges



Specifications	Heraeus Pico and Fresco 17	Heraeus Pico and Fresco 21
<b>Max RCF</b>	17,000 xg	21,100 xg
<b>Max Speed</b>	13,300 rpm	14,800 rpm
<b>Max Noise Level</b>	56 dBA (ventilated), 50 dBA (refrigerated)	
<b>Acceleration/Deceleration Rates</b>	8/9 seconds; 12/12 seconds <sup>1</sup>	
<b>Time Set Range</b>	1 min - 99 min; 1 min increments + HOLD mode	
<b>Temperature Range<sup>2</sup></b>	Set from -9 °C to +40 °C per 1 °C increment	
<b>Certifications</b>	CSA certified, CE marked, IVD compliant, Certified Biosafety	
<b>Technical Standards</b>	IEC 61010-1, IEC 61010-2, IEC 61010-020	
<b>Dimensions, H x W x D</b>		
<b>Heraeus Pico</b>	225 x 243 x 352 mm (8.86 x 9.56 x 13.8 in)	
<b>Heraeus Fresco</b>	330 x 295 x 445 mm (12.9 x 11.6 x 17.5 in)	

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

<sup>2</sup> Heraeus Fresco only



Ordering Information	230V 50/60 Hz	120V 60 Hz	230V 50/60 Hz	120V 60 Hz	
		<b>Heraeus Pico 17</b>		<b>Heraeus Fresco 17</b>	
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002410	75002411	75002420	75002421	
Heraeus microcentrifuge, includes hematocrit rotor	75002491	75002492	N/A	N/A	
		<b>Heraeus Pico 21</b>		<b>Heraeus Fresco 21</b>	
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid	75002415	75002416	75002425	75002426	
Heraeus microcentrifuge, includes 24 x 1.5/2.0 mL rotor with ClickSeal biocontainment lid and dual row 18 x 2.0/0.5 mL rotor with screw-on lid	75002475	75002477	75002476	75002478	



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